Form 3160-3
(August 2007)

FORM APPROVED
OMB No. 1004-0137
Expires July 31, 2010

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.
UTU-01191

6. If Indian, Allotee or Tribe Name
N/A

1a. Type of work: ☑ DRILL ☐ REENTER

7. If Unit or CA Agreement, Name and No.
Natural Buttes Unit

1b. Type of Well: ☐ Oil Well ☑ Gas Well ☐ Other ☑ Single Zone ☐ Multiple Zone

8. Lease Name and Well No.
NBU 1022-04N4T

2. Name of Operator
Kerr-McGee Oil & Gas Onshore, LP

9. API Well No.
43-047-39995

3a. Address
1099 18th Street #600, Denver, CO 80202

3b. Phone No. *(include area code)*
720.929.6226

10. Field and Pool, or Exploratory
Natural Buttes Field

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*
At surface 284' FSL & 2145' FWL 632717X 39.971430
At proposed prod. zone N/A 4425533Y -109.445924

11. Sec., T. R. M. or Blk. and Survey or Area
Sec. 4, T 10S R 22E SESW

14. Distance in miles and direction from nearest town or post office*
24 miles

12. County or Parish
Uintah

13. State
UT

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 284'

16. No. of acres in lease
1041.78

17. Spacing Unit dedicated to this well
20

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 500'

19. Proposed Depth
8900'

20. BLM/BIA Bond No. on file
WYB000291

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
5224 GL

22. Approximate date work will start*
ASAP

23. Estimated duration
10 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, must be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the BLM.

25. Signature
Name *(Printed/Typed)* Kevin McIntyre
Date 04/07/2008

Title
Regulatory Analyst I

Approved by *(Signature)*
Name *(Printed/Typed)* BRADLEY G. HILL
Date 04-14-08

Title
Office ENVIRONMENTAL MANAGER

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

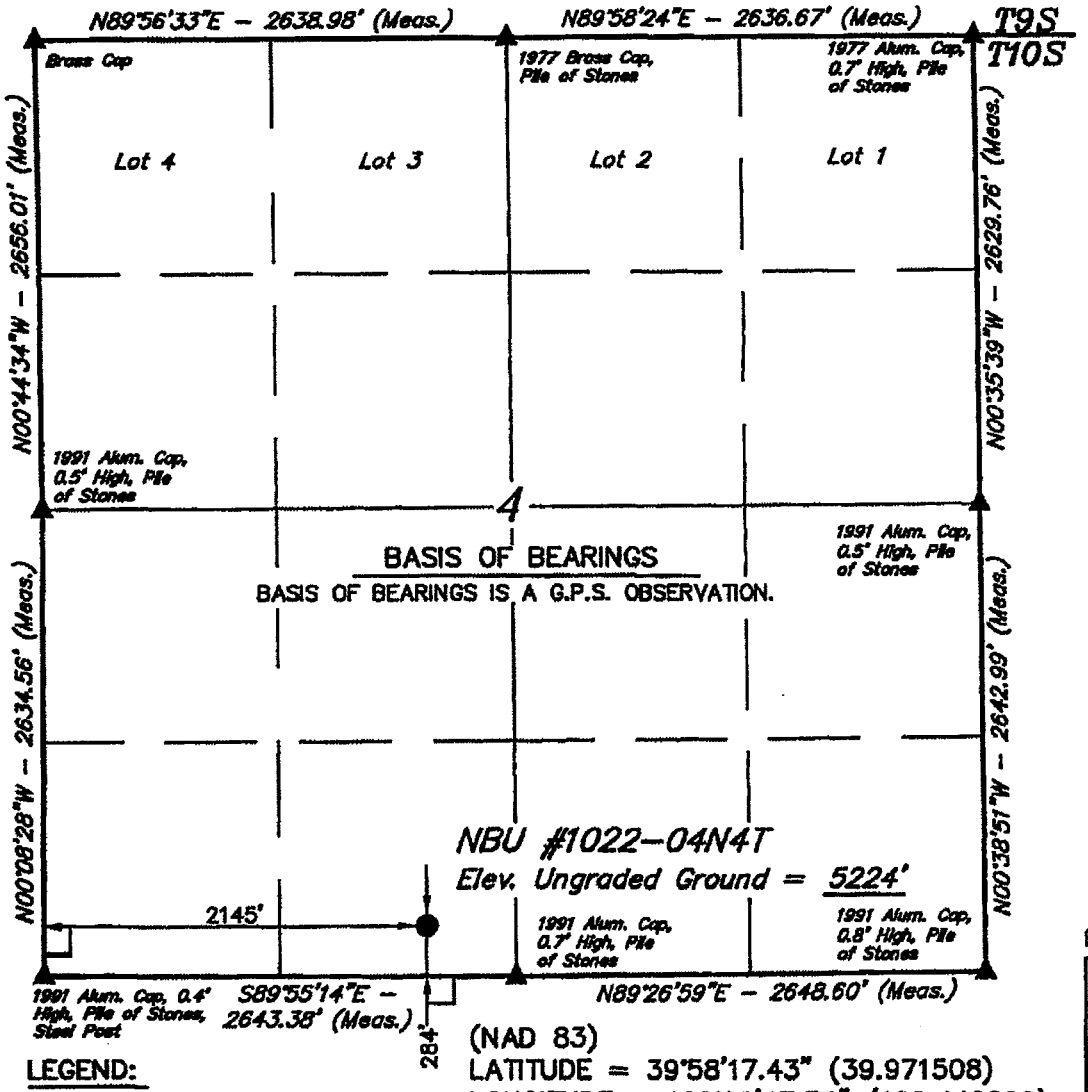
(Continued on page 2)

*(Instructions on page 2)

Federal Approval of this Action is Necessary

RECEIVED
APR 09 2008
DIV. OF OIL, GAS & MINING

T10S, R22E, S.L.B.&M.



LEGEND:

└ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

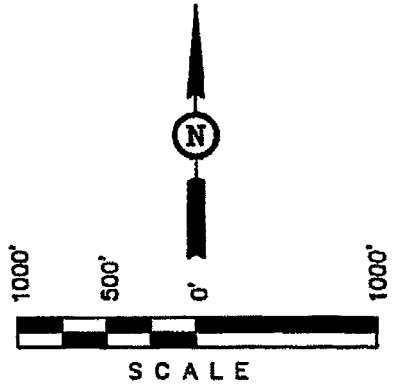
(NAD 83)
LATITUDE = 39°58'17.43" (39.971508)
LONGITUDE = 109°26'47.76" (109.446600)
(NAD 27)
LATITUDE = 39°58'17.55" (39.971542)
LONGITUDE = 109°26'45.30" (109.445917)

Kerr McGee Oil & Gas Onshore LP

Well location, NBU #1022-04N4T, located as shown in the SE 1/4 SW 1/4 of Section 4, T10S, R22E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

No. 161319
REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

Revised 03-11-08 D.P.

UINTAH ENGINEERING & LAND SURVEYING
86 SOUTH 200 EAST – VERNAL, UTAH 84078
(435) 789-1017

SCALE	DATE SURVEYED:	DATE DRAWN:
1" = 1000'	2-18-08	2-19-08
PARTY: L.K. J.M. C.P.	REFERENCES: G.L.O. PLAT	
WEATHER: COLD	FILE: Kerr McGee Oil & Gas Onshore LP	

NBU 1022-04N4T
SESW SEC 4-T10S-R22E
UINTAH COUNTY, UTAH
UTU-01191

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. **Existing Roads:**

Directions to the proposed location are attached.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.

2. **Planned Access Roads:**

The proposed access road is approximately 50' +/-. Refer to Topo Map B.

The access road will be crowned (2 to 3%), ditched and constructed with a running surface of 18 feet and a maximum disturbed width of 30 feet. Graveling or capping the roadbed will be performed as necessary to provide a well constructed, safe road. Prior to construction or upgrading, the proposed road shall be cleared of any snow and allowed to dry completely.

Surface disturbance and vehicular traffic will be limited to the proposed location and proposed access route. Any additional area needed will be approved in advance. All construction shall be in conformance with the standards outlined in the BLM and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development. 1989.

The road surface and shoulders will be kept in a safe and usable condition and will be maintained in accordance with the original construction standards. All drainage ditches will be kept clear and free-flowing and will be maintained according to original construction standards. The access road surface will be kept free of trash during operations. All traffic will be confined to the approved disturbed surface. Road drainage crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing or shall the drainages be blocked by the road bed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Should mud holes develop, they shall be filled in and detours around them avoided. When snow is removed from the road during the winter months, the snow shall be pushed outside of the borrow ditches, and the turnouts kept clear so that snowmelt will be channeled away from the road.

3. **Location of Existing Wells Within a 1-Mile Radius:**

Please refer to Topo Map C.

4. **Location of Existing & Proposed Facilities:**

The following guidelines will apply if the well is productive.

All production facilities will be located on the disturbed portion of the well pad and at a minimum of 25 feet from the toe of the back slope or the top of the fill slope.

A dike will be constructed completely around those production facilities which contain fluids (i.e., production tanks, produced water tanks, and/or heater/treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

All permanent (on-site six months or longer) above the ground structures constructed or installed, including pumping units, will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the five state Rocky Mountain Inter-Agency Committee.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The requested color is Carlsbad Canyon (2.5 Y 6/2) as determined during the on-site inspection.

Any necessary pits will be properly fenced to protect livestock and prevent wildlife entry.

Refer to Topo Map D for the placement of the proposed pipeline.

Exceptions to Best Management Practices (BMPs) Requested:

Approximately 6915' of 4" steel pipeline will be installed on surface within the access corridor for the well location. As a Best Management Practice (BMP), the pipeline would be buried within the access road corridor if possible. The construction of pipelines requires the corridor of 30 feet.

This exception to the BMP should be granted by the BLM Authorized Officer because indurated bedrock, such as sandstone, is at or within 2 feet of the surface and the soil type has a poor history for successful rehabilitation.

5. **Location and Type of Water Supply:**

Water for drilling purposes will be obtained from Dalbo Inc.'s underground well located in Ouray, Utah, Sec.32, T4S,R3E, Water User Claim #43-8496, Application #53617.

Where available a 2" or 3" poly pipe will be installed with the existing rights-of-way to supply water during drilling and completion operations. There will be no new disturbance needed and the poly line will be removed after completion operations. The fresh water will be supplied from the power plant located within the following Sections 23, 24, 25, 26, 35, & 36, T8S, R23E.

Water will be hauled to location over the roads marked on Maps A and B.

No water well is to be drilled on this lease.

6. **Source of Construction Materials:**

Surface and subsoil materials in the immediate area will be utilized.

Any gravel will be obtained from a commercial source.

7. **Methods of Handling Waste Materials:**

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids, including salts and chemicals, will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within 120 days after drilling is terminated.

The reserve pit will be constructed on the location and will not be located within natural drainage, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, break, or allow discharge of liquids.

A plastic reinforced liner is to be used as discussed during on-site inspection. It will be a minimum of 20 mil thick and felt, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will be disposed of in the pit.

Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

A chemical porta-toilet will be furnished with the drilling rig.

Garbage, trash, and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. No trash will be burned on location.

All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec.35, T9S, R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E. (Request is in lieu of filing Form 3160-5, after initial production).

8. **Ancillary Facilities:**

None are anticipated.

9. **Well Site Layout:** (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

39 inch net wire will be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.

The net wire shall be no more than two inches above the ground. The barbed wire shall be three inches over the net wire. Total height of the fence shall be at least 42 inches.

Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet.

All wire shall be stretched, by using a stretching device, before it is attached to corner posts.

The reserve pit fencing will be on three sides during drilling operations, and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

10. **Plans for Reclamation of the Surface:**

Producing Location:

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production.

Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1.

Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion, weather permitting.

To prevent surface water(s) from standing (ponding) on the reclaimed reserve pit area, final reclamation of the reserve pit will consist of "mounding" the surface three feet above surrounding ground surface to allow the reclaimed pit area to drain effectively.

Upon completion of backfilling, leveling, and recontouring of the pit, the stockpiled topsoil will be spread evenly over the location up to the rig anchor points, the location shall be reshaped to the

original contour to the extent possible, and the location will be reseeded with Crested Wheatgrass using appropriate reclamation methods.

Dry Hole/Abandoned Location:

Abandoned well sites, roads, and other disturbed areas will be restored as near as practical to their original condition. Where applicable, these conditions include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions, and re-establishment of vegetation as specified.

All disturbed surfaces will be recontoured to the approximate natural contours, with reclamation of the well pad and access road to be performed as soon as practical after final abandonment. Reseeding operations will be performed after completion of other reclamation operations.

11. Surface Ownership:

United States of America
Bureau of Land Management
170 South 500 East
Vernal, UT 84078
(435) 789-1362

12. Other Information:

A Class III archaeological survey and a paleontological survey have been completed and the reports will be submitted separately.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, the approved Plan of Operations, and any applicable Notice of Lessees. The Operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance. The Operator will control noxious weeds along Rights-Of-Way for roads, pipelines, well sites, or other applicable facilities.

This location is not within 460' from the boundary of the Natural Buttes Unit, nor is it within 460' of any non-committed tract lying within the boundaries of the Unit.

Seed Mixture:

The following seed mixture will be used during interim reclamation:

Crested Wheatgrass 12 lb/acre

Operator will contact the BLM for the seed mixture when final reclamation of the location occurs.

13. **Lessee's or Operators's Representative & Certification:**

Kevin McIntyre
Regulatory Analyst
Kerr-McGee Oil & Gas Onshore LP
1099 18th Street #1200
Denver, CO 80202
(720) 929-6226

Randy Bayne
Drilling Manager
Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East
Vernal, UT 84078
(435)781-7018

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under the terms and the conditions of the lease for the operations conducted upon leased lands.

Bond coverage pursuant to 43 CFR 3104 for the lease activities is being provided by BLM Nationwide Bond #CO-1203.

I hereby certify that the proposed drill site and access route has been inspected and that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Kevin McIntyre

April 8, 2008
Date

NBU 1022-04N4T
SENW Sec. 4, T10S,R22E
UINTAH COUNTY, UTAH
UTU-01191

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. **Estimated Tops of Important Geologic Markers:**

Formation	Depth
Uinta	0- Surface
Green River	1199'
Wasatch	4400'
Mesaverde	6881'
TD	8900'

2. **Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:**

Substance	Formation	Depth
	Green River	1199'
Gas	Wasatch	4400'
Gas	Mesaverde	6881'
Water	N/A	
Other Minerals	N/A	

3. **Pressure Control Equipment** (Schematic Attached)

Please refer to the attached Drilling Program.

4. **Proposed Casing & Cementing Program:**

Please refer to the attached Drilling Program.

5. **Drilling Fluids Program:**

Please refer to the attached Drilling Program.

6. **Evaluation Program:**

Please refer to the attached Drilling Program.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 8900' TD, approximately equals 3503 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 1958 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

Maximum anticipated surface pressure equals approximately 1958 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

Drilling is planned to commence immediately upon approval of this application.

9. **Variances:**

Please refer to the attached Drilling Program.

10. **Other Information:**

Please refer to the attached Drilling Program.

Kerr-McGee Oil & Gas Onshore LP
NBU #1022-04N4T
SECTION 4, T10S, R22E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 11.2 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 8.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 3.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN LEFT AND PROCEED IN A NORTHERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN LEFT AND PROCEED IN A WESTERLY DIRECTION APPROXIMATELY 50' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 55.7 MILES.

KerrMcGee

KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP		DATE	April 8, 2008	
WELL NAME	NBU 1022-04N4T		TD	8,900' MD/TVD	
FIELD	Natural Buttes	COUNTY Uintah	STATE Utah	ELEVATION	5,224' GL KB 5,239'
SURFACE LOCATION	284' FSL & 2145' FWL			BHL	Straight Hole
	Latitude: 39.971508	Longitude: -109.446600			
OBJECTIVE ZONE(S)	Wasatch/Mesaverde				
ADDITIONAL INFO	Regulatory Agencies: BLM (SURF & MINERALS), UDOGM, Tri-County Health Dept.				

LOGS	GEOLOGICAL FORMATION TOPS	DEPTH	MECHANICAL HOLE SIZE	MECHANICAL CASING SIZE	MUD WEIGHT
		40'		14"	
			12-1/4"	9-5/8", 36#, J-55, LTC	Air mist
Catch water sample, if possible, from 0 to 4,400'					
	Green River @	1,199'			
	Top of Birds Nest Water @	1,567'			
	Preset f/ GL @	2,300' MD			
			7-7/8"	4-1/2",11.6#, I-80 or equivalent LTC casing	Water/Fresh Water Mud 8.3-11.5 ppg
Mud logging program TBD Open hole logging program f/ TD - surf csg					
	Mahogany @	1,930'			
	Wasatch @	4,400'			
	Mverde @	6,881'			
	MVU2 @	7,820'			
	MVL1 @	8,382'			
	TD @	8,900'			Max anticipated Mud required 11.8 ppg

Note: 12.25" surface hole will usually be drilled ±400' below the bottom of lost circulation zone. Drilled depth may be ±200' of the estimated set depth depending on the acutal depth of the loss zone.

KerrMcGee **KERR-McGEE OIL & GAS ONSHORE L**

DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'						
						3520	2020	453000
SURFACE	9-5/8"	0 to 2,300'	36.00	J-55	LTC	1.00	1.88	6.25
						7780	6350	201000
PRODUCTION	4-1/2"	0 to 8900	11.60	I-80	LTC	2.22	1.16	2.23

1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point)

2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)

(Burst Assumptions: TD = 11.8 ppg) .22 psi/ft = gradient for partially evac wellbore

(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

MASP 3503 psi

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500	Premium cmt + 2% CaCl	215	60%	15.60	1.18
Option 1			+ .25 pps flocele				
	TOP OUT CMT (1)	250	20 gals sodium silicate + Premium cmt	100		15.60	1.18
			+ 2% CaCl + .25 pps flocele				
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE			**NOTE: If well will circulate water to surface, option 2 will be utilized**				
Option 2	LEAD	2000	Prem cmt + 16% Gel + 10 pps gilsonite	230	35%	11.00	3.82
			+.25 pps Flocele + 3% salt BWOC				
	TAIL	500	Premium cmt + 2% CaCl	180	35%	15.60	1.18
			+ .25 pps flocele				
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	3,900'	Premium Lite II + 3% KCl + 0.25 pps	430	60%	11.00	3.38
			celloflake + 5 pps gilsonite + 10% gel				
			+ 0.5% extender				
	TAIL	5,000'	50/50 Poz/G + 10% salt + 2% gel	1400	60%	14.30	1.31
			+.1% R-3				

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER: _____ **DATE:** _____

Brad Laney

DRILLING SUPERINTENDENT: _____ **DATE:** _____

Randy Bayne

Kerr-McGee Oil & Gas Onshore LP

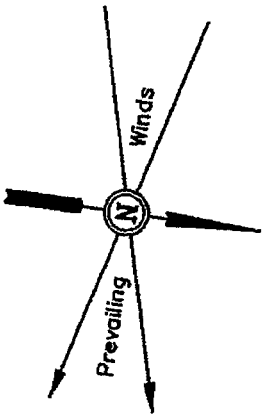
FIGURE #1

LOCATION LAYOUT FOR

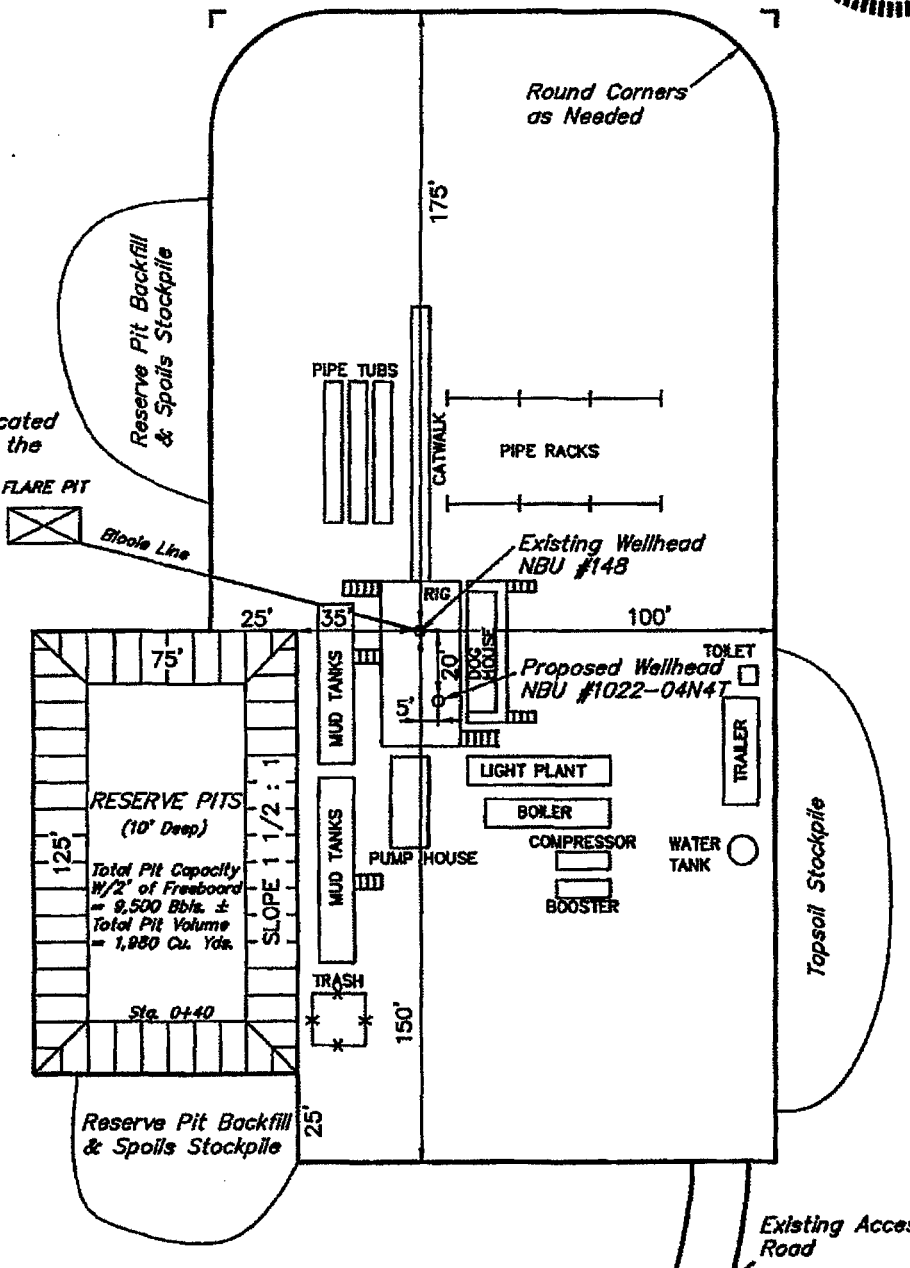
NBU #1022-04N4T

SECTION 4, T10S, R22E, S.L.B.&M.

284' FSL 2145' FWL



SCALE: 1" = 50'
DATE: 2-19-08
Drawn By: C.P.
Revised 3-11-08 D.P.



NOTE:

Flare Pit is to be located a min. of 100' from the Well Head.

NOTES:

Elev. as Shot Ground At Loc. Stake = 5224.0'

UINTAH ENGINEERING & LAND SURVEYING

85 So. 200 East • Vernal, Utah 84078 • (435) 789-1017

Kerr-McGee Oil & Gas Onshore LP

NBU #1022-04N4T

LOCATED IN UINTAH COUNTY, UTAH
SECTION 4, T10S, R22E, S.L.B.&M.

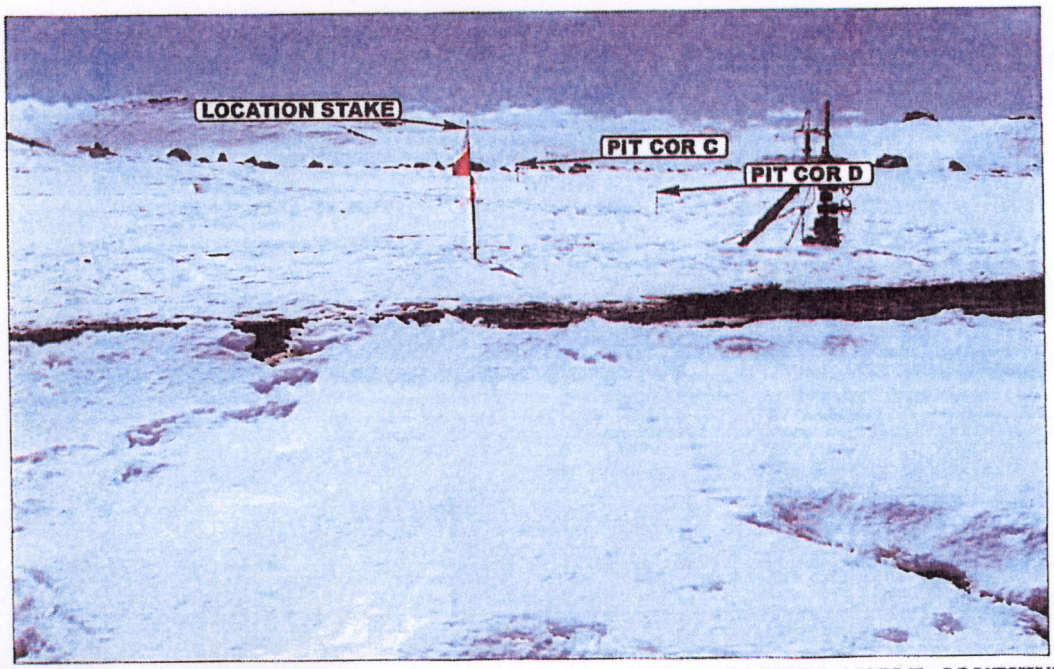


PHOTO: VIEW OF LOCATION STAKE **CAMERA ANGLE: SOUTHWESTERLY**

PHOTO: VIEW OF EXISTING ACCESS **CAMERA ANGLE: WESTERLY**

- Since 1964 -

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS	02 MONTH	20 DAY	08 YEAR	PHOTO
TAKEN BY: D.K.	DRAWN BY: C.P.	REVISED: 03-13-08		

LEGEND:

⊙ PROPOSED LOCATION

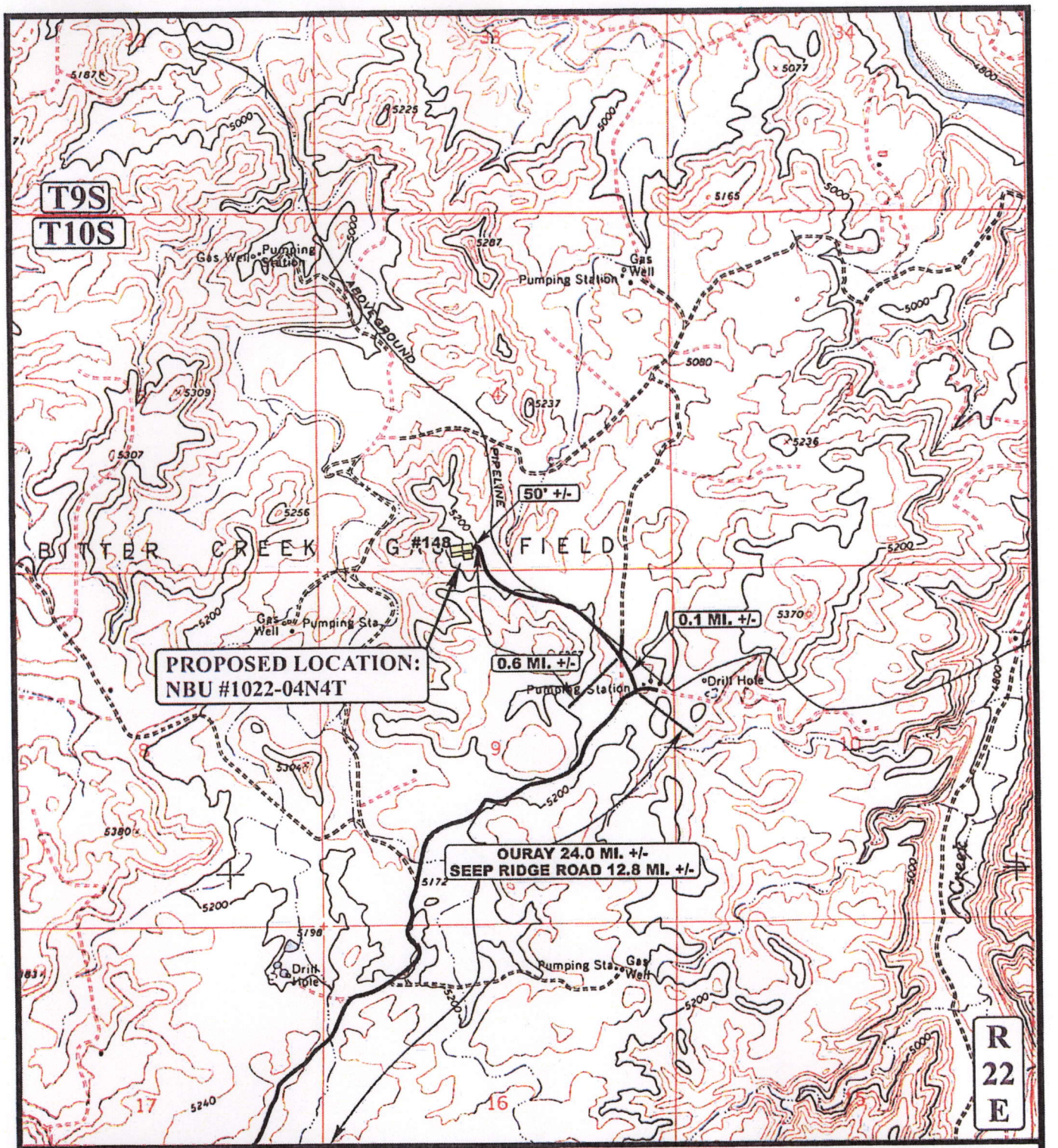
N

Kerr-McGee Oil & Gas Onshore LP

NBU #1022-04N4T
SECTION 4, T10S, R22E, S.L.B.&M.
284' FSL 2145' FWL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	02 MONTH	20 DAY	08 YEAR	A TOPO
SCALE: 1:100,000	DRAWN BY: C.P.	REVISED: 03-13-08		



LEGEND:

EXISTING ROAD

PROPOSED ACCESS ROAD

N

Kerr-McGee Oil & Gas Onshore LP

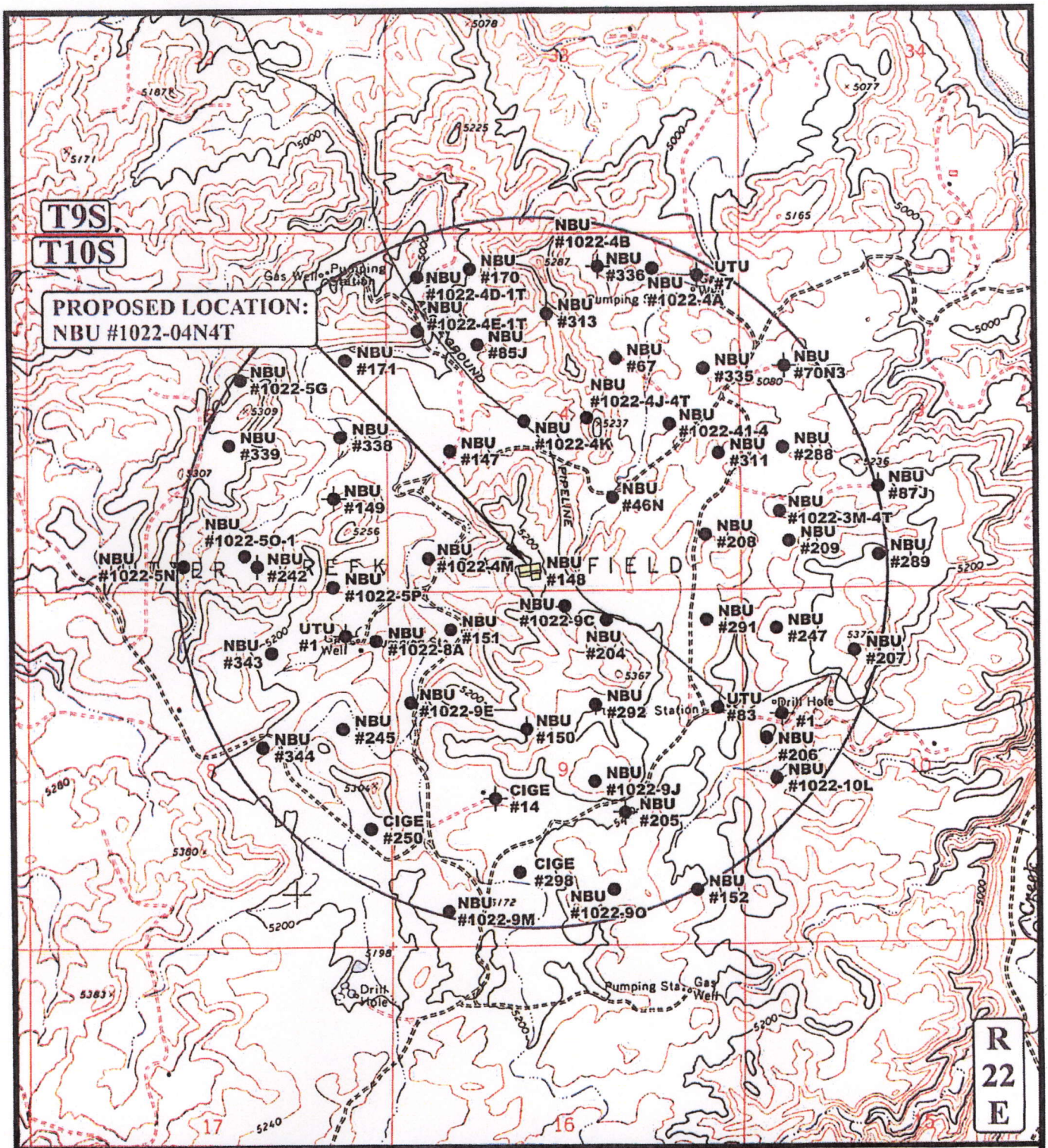
NBU #1022-04N4T

SECTION 4, T10S, R22E, S.L.B.&M.

284' FSL 2145' FWL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	02 MONTH	20 DAY	08 YEAR	B TOPO
SCALE: 1" = 2000'	DRAWN BY: C.P.	REVISED: 03-13-08		



LEGEND:

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

N

Kerr-McGee Oil & Gas Onshore LP

NBU #1022-04N4T
SECTION 4, T10S, R22E, S.L.B.&M.
284' FSL 2145' FWL

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85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	02 MONTH	20 DAY	08 YEAR	C TOPO
SCALE: 1" = 2000'	DRAWN BY: C.P.	REVISED: 03-13-08		

WORKSHEET

APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 04/09/2008

API NO. ASSIGNED: 43-047-39995

WELL NAME: NBU 1022-04N4T

OPERATOR: KERR-MCGEE OIL & GAS (N2995)

PHONE NUMBER: 720-929-6226

CONTACT: KEVING MCINTYRE

PROPOSED LOCATION:

SESW 04 100S 220E

SURFACE: 0284 FSL 2145 FWL

BOTTOM: 0284 FSL 2145 FWL

COUNTY: UINTAH

LATITUDE: 39.97143 LONGITUDE: -109.4459

UTM SURF EASTINGS: 632717 NORTHINGS: 4425533

FIELD NAME: NATURAL BUTTES (630)

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-01191

PROPOSED FORMATION: WSMVD

SURFACE OWNER: 1 - Federal

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

✓ Plat

✓ Bond: Fed[1] Ind[] Sta[] Fee[]
(No. WYB000291)

N Potash (Y/N)

Y Oil Shale 190-5 (B) or 190-3 or 190-13

✓ Water Permit
(No. 43-8496)

N RDCC Review (Y/N)
(Date:)

N/A Fee Surf Agreement (Y/N)

N/A Intent to Commingle (Y/N)

LOCATION AND SITING:

___ R649-2-3.

Unit: NATURAL BUTTES

___ R649-3-2. General

Siting: 460 From Qtr/Qtr & 920' Between Wells

___ R649-3-3. Exception

✓ Drilling Unit

Board Cause No: 173-14

Eff Date: 12-2-1999

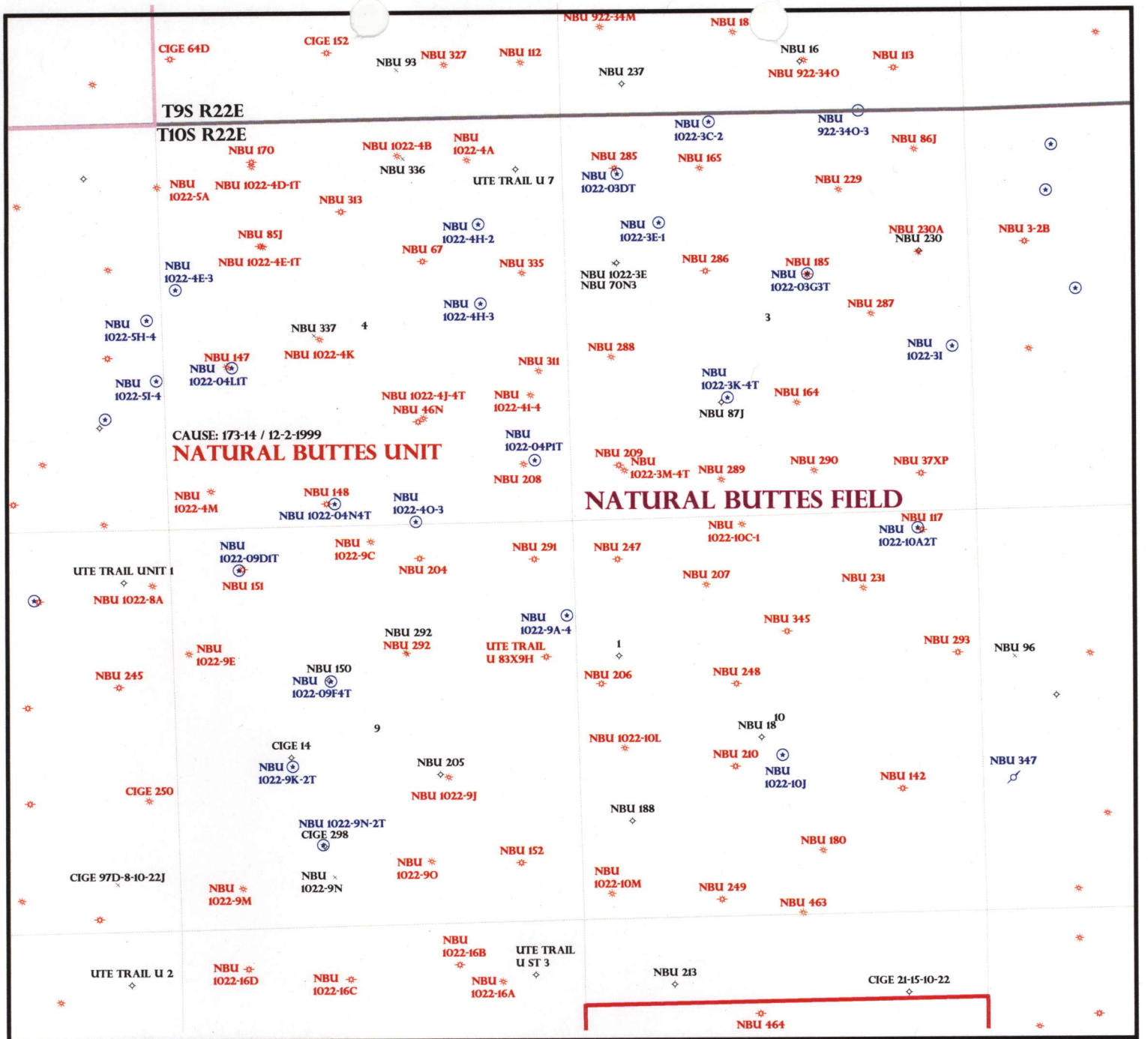
Siting: 460' fr u.l. dry & uncomm. tract

___ R649-3-11. Directional Drill

COMMENTS: Sop, Separate file

STIPULATIONS: 1 - Federal Approval

2 - Oil Shale



OPERATOR: KERR MCGEE O&G (N2995)

SEC: 3,4,9,10 T.10S R. 22E

FIELD: NATURAL BUTTES (630)

COUNTY: UINTAH

CAUSE: 173-14 / 12-2-1999

Field Status
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

Unit Status
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Wells Status
- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING

UTAH DNR
OIL, GAS & MINING

N
W E
S

PREPARED BY: DIANA MASON
DATE: 11-APRIL-2008

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

April 14, 2008

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2008 Plan of Development Natural Buttes Unit
Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2008 within the Natural Buttes Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ Wasatch/MesaVerde)		
43-047-39992	NBU 1022-03DT	Sec 03 T10S R22E 0756 FNL 0671 FWL
43-047-39993	NBU 1022-03G3T	Sec 03 T10S R22E 2121 FNL 2143 FEL
43-047-39994	NBU 1022-04L1T	Sec 04 T10S R22E 2107 FSL 0842 FWL
43-047-39995	NBU 1022-04NT	Sec 04 T10S R22E 0284 FSL 2145 FWL
43-047-39996	NBU 1022-09F4T	Sec 09 T10S R22E 2051 FNL 2021 FWL
43-047-39997	NBU 1022-10A2T	Sec 10 T10S R22E 0201 FNL 0777 FEL

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc: File - Natural Buttes Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:4-14-08

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

April 14, 2008

Kerr-McGee Oil & Gas Onshore, LP
1099 18th St., #600
Denver, CO 80202

Re: NBU 1022-04N4T Well, 284' FSL, 2145' FWL, SE SW, Sec. 4, T. 10 South, R. 22 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-39995.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Uintah County Assessor
Bureau of Land Management, Vernal Office

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • *www.ogm.utah.gov*

UTAH DNR OIL, GAS & MINING

Operator: Kerr-McGee Oil & Gas Onshore, LP

Well Name & Number NBU 1022-04N4T

API Number: 43-047-39995

Lease: UTU-01191

Location: SE SW **Sec.** 4 **T.** 10 South **R.** 22 East

Conditions of Approval

1. General

   Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

   Notify the Division within 24 hours of spudding the well.

   - Contact Carol Daniels at (801) 538-5284.

   Notify the Division prior to commencing operations to plug and abandon the well.

   - Contact Dustin Doucet at (801) 538-5281 office (801) 733-0983 home

3. Reporting Requirements

   All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.

Form 3160-3
(August 2007)

RECEIVED
APR U.S. 2008
BLM VERNAL, UTAH

FORM APPROVED
OMB No. 1004-0137
Expires July 31, 2010

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.
UTU-01191

6. If Indian, Allotee or Tribe Name
N/A

1a. Type of work: ☑ DRILL ☐ REENTER

7. If Unit or CA Agreement, Name and No.
Natural Buttes Unit

1b. Type of Well: ☐ Oil Well ☑ Gas Well ☐ Other ☑ Single Zone ☐ Multiple Zone

8. Lease Name and Well No.
NBU 1022-04N4T

2. Name of Operator
Kerr-McGee Oil & Gas Onshore, LP

9. API Well No.
43-047-39995

3a. Address
1099 18th Street #600, Denver, CO 80202

3b. Phone No. *(include area code)*
720.929.6226

10. Field and Pool, or Exploratory
Natural Buttes Field

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*
At surface 284' FSL & 2145' FWL
At proposed prod. zone N/A

11. Sec., T. R. M. or Blk. and Survey or Area
Sec. 4, T 10S R 22E

14. Distance in miles and direction from nearest town or post office*
24 miles

12. County or Parish
Uintah

13. State
UT

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 284'	16. No. of acres in lease 1041.78	17. Spacing Unit dedicated to this well 20
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 500'	19. Proposed Depth 8900'	20. BLM/BIA Bond No. on file WYB000291
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5224 GL	22. Approximate date work will start* ASAP	23. Estimated duration 10 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, must be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the BLM.

25. Signature	Name *(Printed/Typed)*	Date
	Kevin McIntyre	04/07/2008

Title
Regulatory Analyst I

Approved by *(Signature)*	Name *(Printed/Typed)*	Date
Assistant Field Manager Lands & Mineral Resources	JERRY KENCZKA	SEP 10 2008
Title	Office	
	VERNAL FIELD OFFICE	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 2)

*(Instructions on page 2)

RECEIVED
OCT 06 2008
DIV. OF OIL, GAS & MINING

UDOGM

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED

08SM0062A

No NOS posted 4-16-08

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE
170 South 500 East VERNAL, UT 84078 (435) 781-4400

CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	**Kerr-McGee Oil & Gas Onshore, LP**	**Location:**	**SESW, Sec.4, T10S, R22E**
Well No:	**NBU 1022-04N4T**	**Lease No:**	**UTU-01191**
API No:	**43-047-39995**	**Agreement:**	**Natural Buttes Unit**

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
Supervisory NRS:	Karl Wright	(435) 781-4484	(435) 828-7381
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	(435) 828-3544
NRS/Enviro Scientist:	James Hereford	(435) 781-3412	
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Dan Emmett	(435) 781-3414	
NRS/Enviro Scientist:	Paul Percival	(435) 781-4493	
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	(435) 828-3546
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	(435) 828-4029
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545
		Fax: (435) 781-3420	

A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Location Construction (Notify Environmental Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.

- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)

SITE SPECIFIC DOWNHOLE COAs:

- A copy of Kerr McGee's Standard Operating Practices (dated 7/17/08 and approved 7/28/08) shall be on location.

- Kerr McGee and their contractors shall strictly adhere to all operating practices in the SOP along with all Oil and Gas rules and requirements listed in the Code of Federal Regulations and all Federal Onshore Oil and Gas Orders except where variances have been granted. 1. A copy of Kerr McGee's Standard Operating Practices (dated 7/17/08 and approved 7/28/08) shall be on location.

- Kerr McGee and their contractors shall strictly adhere to all operating practices in the SOP along with all Oil and Gas rules and requirements listed in the Code of Federal Regulations and all Federal Onshore Oil and Gas Orders except where variances have been granted.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.

- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.

- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.

- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.

- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.

- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.

- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.

- No aggressive/fresh hard-banded drill pipe shall be used within casing.

- **Cement baskets shall not be run on surface casing.**

- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.

- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.

- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**

- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.

- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.

- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:

    - Operator name, address, and telephone number.

    - Well name and number.

    - Well location (¼¼, Sec., Twn, Rng, and P.M.).

    - Date well was placed in a producing status (date of first production for which royalty will be paid).

    - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).

    - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.

    - Unit agreement and/or participating area name and number, if applicable.

    - Communitization agreement number, if applicable.

- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.

- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.

- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or

data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.

- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.

- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.

- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.

- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.

- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: **KERR-McGEE OIL & GAS ONSHORE, L.P.**

Well Name: **NBU 1022-04N4T**

Api No: **43-047-39995** Lease Type: **FEDERAL**

Section **04** Township **10S** Range **22E** County **UINTAH**

Drilling Contractor **PETE MARTIN DRLG** RIG # **BUCKET**

SPUDDED:

Date **02/23/09**

Time **11:00 AM**

How **DRY**

Drilling will Commence:

Reported by **LEW WELDON**

Telephone # **(435) 828-7035**

Date 02/23/09 Signed CHD

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: KERR McGEE OIL & GAS ONSHORE LP
Operator Account Number: N 2995
Address: 1368 SOUTH 1200 EAST
city VERNAL
state UT zip 84078
Phone Number: (435) 781-7024

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304738487	NBU 1022-6K-3		NESW	6	10S	22E	UINTAH
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
	99999		2/23/2009				

Comments: MIRU PETE MARTIN BUCKET RIG.
SPUD WELL LOCATION ON 02/23/2009 AT 1700 HRS.

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304740179	NBU 922-32ET		SWNW	32	9S,	22E	UINTAH
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
B	99999	2900	2/20/2009			2/26/09	

Comments: MIRU PETE MARTIN BUCKET RIG. WSMVD
SPUD WELL LOCATION ON 02/20/2009 AT 1030 HRS.

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304739995	NBU 1022-04N4T		SESW	4	10S	22E	UINTAH
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
B	99999	2900	2/23/2009			2/26/09	

Comments: MIRU PETE MARTIN BUCKET RIG. WSMVD
SPUD WELL LOCATION ON 02/23/2009 AT 1100 HRS.

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

SHEILA UPCHEGO
Name (Please Print)
Signature
REGULATORY ANALYST
Title
2/24/2009
Date

RECEIVED
FEB 24 2009
DIV. OF OIL, GAS & MINING

(5/2000)

Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

5. Lease Serial No.
UTU01191

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
UNIT #891008900A

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
NBU 1022-04N4T

2. Name of Operator
KERR-MCGEE OIL & GAS ONSHORE LP
Contact: SHEILA UPCHEGO
E-Mail: sheila.upchego@anadarko.com

9. API Well No.
43-047-39995

3a. Address
1368 SOUTH 1200 EAST
VERNAL, UT 84078

3b. Phone No. (include area code)
Ph: 435-781-7024

10. Field and Pool, or Exploratory
NATURAL BUTTES

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 4 T10S R22E SESW 284FSL 2145FWL

11. County or Parish, and State
UINTAH COUNTY, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Well Spud
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7# SCHEDULE 10 PIPE. CMT W/28 SX READY MIX.

SPUD WELL LOCATION ON 02/23/2009 AT 1100 HRS.

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #67546 verified by the BLM Well Information System
For KERR-MCGEE OIL & GAS ONSHORE L, sent to the Vernal

Name *(Printed/Typed)* SHEILA UPCHEGO — Title OPERATIONS

Signature (Electronic Submission) — Date 02/24/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____ Title _____ Date _____

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. Office _____

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

5. Lease Serial No.
UTU01191

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
UNIT #891008900A

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
NBU 1022-04N4T

2. Name of Operator
KERR-MCGEE OIL & GAS ONSHORE L
Contact: SHEILA UPCHEGO
EMail: sheila.upchego@anadarko.com

9. API Well No.
43-047-39995

3a. Address
1368 SOUTH 1200 EAST
VERNAL, UT 84078

3b. Phone No. (include area code)
Ph: 435-781-7024

10. Field and Pool, or Exploratory
NATURAL BUTTES

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 4 T10S R22E SESW 284FSL 2145FWL

11. County or Parish, and State
UINTAH COUNTY, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Drilling Operations
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

MIRU PROPETRO AIR RIG ON 02/26/2009. DRILLED 12 1/4" SURFACE HOLE TO 2400'. RAN 9 5/8" 36# J-55 SURFACE CSG. CMT W/350 SX PREM CLASS G @15.8 PPG 1.15 YIELD. TOP OUT W/350 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN BACKSDIE GOOD CMT TO SURFACE HOLE STAYED FULL.

WORT.

14. I hereby certify that the foregoing is true and correct.
Electronic Submission #67784 verified by the BLM Well Information System
For KERR-MCGEE OIL & GAS ONSHORE L, sent to the Vernal

Name *(Printed/Typed)* SHEILA UPCHEGO — Title OPERATIONS

Signature (Electronic Submission) — Date 03/04/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By — Title — Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. — Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

RECEIVED
MAR 05 2009
DIV. OF OIL, GAS & MINING

Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

5. Lease Serial No.
UTU01191

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
UNIT #891008900A

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
NBU 1022-04N4T

2. Name of Operator
KERR-MCGEE OIL & GAS ONSHORE L
Contact: SHEILA UPCHEGO
E-Mail: sheila.upchego@anadarko.com

9. API Well No.
43-047-39995

3a. Address
1368 SOUTH 1200 EAST
VERNAL, UT 84078

3b. Phone No. (include area code)
Ph: 435-781-7024

10. Field and Pool, or Exploratory
NATURAL BUTTES

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 4 T10S R22E SESW 284FSL 2145FWL

11. County or Parish, and State
UINTAH COUNTY, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Drilling Operations
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

FINISHED DRILLING FROM 2400' TO 8900' ON 03/27/2009. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/387 SX PREM LITE II @11.2 PPG 3.13 YIELD. TAILED CMT W/1100 SX 50/50 POZ @14.3 PPG 1.31 YIELD. DISPLACE W/137.5 BBLS CLAY TREAT WATER LOST PARTIAL RETURNS 30 BBL INTO DISPLACEMENT NO CMT TO SURFACE 2510 LIFT PRESSURE BUMPED PLUG @3150 PSI FLOATS HELD. NIPPLE DOWN CLEAN PITS.

RELEASED PIONEER RIG 69 ON 03/28/2009 AT 0600 HRS.

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #68488 verified by the BLM Well Information System
For KERR-MCGEE OIL & GAS ONSHORE L, sent to the Vernal

Name *(Printed/Typed)* SHEILA UPCHEGO — Title OPERATIONS

Signature (Electronic Submission) — Date 03/30/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____ Title _____ Date _____

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. Office _____

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

RECEIVED
APR 20 2009
DIV. OF OIL, GAS & MINING

API Well No: 43047399950000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-01191

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: NBU 1022-04N4T

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047399950000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6587 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0284 FSL 2145 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 04 Township: 10.0S Range: 22.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
✓ SUBSEQUENT REPORT Date of Work Completion: 5/3/2009	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	✓ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE SUBJECT WELL WAS PLACED ON PRODUCTION ON 05/03/2009 AT 1:00 PM. PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

Accepted by the Utah Division of Oil, Gas and Mining

FOR RECORD ONLY

May 11, 2009

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Sheila Upchego	435 781-7024	Regulatory Analyst
SIGNATURE N/A		**DATE** 5/8/2009

RECEIVED May 08, 2009

ROCKIES

Operation Summary Report

Well: NBU 1022-4N4T	Spud Conductor: 2/23/2009	Spud Date: 2/26/2009
Project: UTAH	Site: UINTAH	Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING	Start Date: 2/18/2009	End Date: 3/28/2009
Active Datum: RKB @5,242.00ft (above Mean Sea Level)	UWI: 0/10/S/22/E/4/0/SESW/6/PM/S/284.00/W/0/2,145.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
2/26/2009	12:00 - 18:00	6.00	MIRU	01	A	P		M.I.R.U. AIR DRILL RIG & EQUIPMENT
	18:00 - 0:00	6.00	DRLSUR	02	A	P		DRILL F/ 40' - T/ 960' W/ AIR HAMMER - NO FORMATION WATER ENCOUNTERED
2/27/2009	0:00 - 8:00	8.00	DRLSUR	02	A	P		DRILL F/ 270' - T/ 960' W/ HAMMER
	8:00 - 10:30	2.50	DRLSUR	07	A	Z		RIG REPAIR ON FUEL SYSTEM (DIRTY FUEL FILTERS)
	10:30 - 0:00	13.50	DRLSUR	02	A	P		DRILL F/ 960' - T/ 1380' W/ HAMMER
2/28/2009	0:00 - 0:30	0.50	DRLSUR	04	C	P		CIRC & CONDITION HOLE FOR TRIP
	0:30 - 3:30	3.00	DRLSUR	05	A	P		P.O.O.H. / LAY DOWN HAMMER / PICK UPTRI-CONE BIT / T.I.H.
	3:30 - 4:00	0.50	DRLSUR	04	A	P		CIRCULATE & CONDITION HOLE FOR SURVEY
	4:00 - 5:00	1.00	DRLSUR	09	A	P		WIRELINE SURVEY @ 1350' - 1/2 DEG
	5:00 - 18:30	13.50	DRLSUR	02	A	P		DRILL F/ 1380' - T/ 1680' PUMP W/ AIR GOOD RETURNS
	18:30 - 19:00	0.50	DRLSUR	04	A	P		CIRCULATE & CONDITION HOLE FOR SURVEY
	19:00 - 19:30	0.50	DRLSUR	09	A	P		WIRELINE SURVEY @ 1650' - 1 DEG
	19:30 - 0:00	4.50	DRLSUR	02	A	P		DRILL F/ 1680' - T/ 1770'
3/1/2009	0:00 - 10:30	10.50	DRLSUR	02	A	P		DRILL F/ 1770' - T/ 1920'
	10:30 - 12:00	1.50	DRLSUR	07	A	Z		PULL 3 JOINTS / CHANGE OUT PUMP EQUIPMENT TRAILER
	12:00 - 16:30	4.50	DRLSUR	02	A	P		DRILL F/ 1920' - T/ 2010'
	16:30 - 17:00	0.50	DRLSUR	04	A	P		CIRCULATE & CONDITION HOLE FOR SURVEY
	17:00 - 17:30	0.50	DRLSUR	09	A	P		WIRELINE SURVEY @ 1950' - 3/4 DEG
	17:30 - 0:00	6.50	DRLSUR	02	A	P		DRILL F/ 2010' - T/ 2190' W/ PUMP & AIR
3/2/2009	0:00 - 7:30	7.50	DRLSUR	02	A	P		DRILLI F/ 2190' - T/ 2400' (T.D.)
	7:30 - 8:30	1.00	DRLSUR	04	C	P		CIRCULATE & CONDITION HOLE FOR CASING
	8:30 - 9:30	1.00	DRLSUR	09	A	P		WIRELINE SURVEY @ 1950' - 3/4 DEG
	9:30 - 12:30	3.00	DRLSUR	05	D	P		P.O.O.H. / L.D.B.H.A.
	12:30 - 13:30	1.00	CSG	11	A	P		SAFETY MEETING / RIG UP TO RUN CASING
	13:30 - 16:00	2.50	CSG	11	B	P		RUN 55 JTS #36.0 9 5/8 LT&C CASING = TOOLS / SET @ 2363'
	16:00 - 17:00	1.00	CSG	01	A	P		R.D.M.O. AIR TOOLS / RIG MOVED TO TOWN - WAIT ON NEXT WELL
	17:00 - 18:00	1.00	CSG	15	A	P		SAFETY MEETING / M.I.R.U. EQUIPMENT / PUMP 165 BBLS H2O + 350 SX CLASS G CEMENT @ #15.8 (1.15 YEILD @ 5 GPS H2O) / DROP PLUG AND DISPLACE W/ 179 BBLS H2O / PLUG DOWN @ 17:45 W/ NO CEMENT TO SURFACE / CEMENT 1st TOP JOB W/ 100 SX CLS G + 4% CACL (1.15 YIELD @ 5.0 GPS) W/ NO CEMENT TO SURFACE.
	18:00 - 20:30	2.50	CSG	12	B	P		W.O.C.
	20:30 - 21:00	0.50	CSG	15	A	P		CEMENT 2nd TOP JOB W/ 150 SX CLS G + 4% CACL (1.15 YIELD @ 5.0 GPS) W/ NO CEMENT TO SURFACE
	21:00 - 23:00	2.00	CSG	12	B	P		W.O.C.
	23:00 - 23:30	0.50	CSG	15	A	P		CEMENT 3rD TOP JOB W/ 150 SX CLASS G + 4 % CACL CEMENT @ #15.8 (1.15 YEILD @ 5 GPS H2O) W/ APPROXIMATE 3 BBLS CEMENT TO SURFACE / APPROX 2 BBLS FELLL BACK AND CEMENT REMAINED AT SURFACE
	23:30 - 0:00	0.50	SUSPEN	12	E	P		W.O.R.T.

ROCKIES

Operation Summary Report

Well: NBU 1022-4N4T	Spud Conductor: 2/23/2009	Spud Date: 2/26/2009
Project: UTAH	Site: UINTAH	Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING	Start Date: 2/18/2009	End Date: 3/28/2009
Active Datum: RKB @5,242.00ft (above Mean Sea Level)	UWI: 0/10/S/22/E/4/0/SESW/6/PM/S/284.00/W/0/2,145.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
3/20/2009	6:00 - 7:00	1.00	RDMO	01	E	P		RDRT WAIT F/ TRUCKS
	7:00 - 20:00	13.00	MIRU	01	A	P		TRUCK 15 MILES,W/KUHR TRUCKING
	20:00 - 0:00	4.00	MIRU	12	D	S		WAIT ON DAYLITE,CREWS NOT ONTOUR TONIGHT
3/21/2009	0:00 - 7:00	7.00	DRLPRO	12	D	P		WAIT F/ DAY LITE TO RESUME RIG UP
	7:00 - 18:00	11.00	DRLPRO	01	B	P		RURT TUCKS LEFT AT NOON CRANE AT 1600
	18:00 - 0:00	6.00	DRLPRO	13	A			NIPPLE UP BOPE,INSTALL NEW 2X5 5000 PSI VALVE TEST HEAD
3/22/2009	0:00 - 4:30	4.50	DRLPRO	13	C	P		PRESS TEST BOPE, KELLY & VALVES - 5000 PSI HIGH-250 PSI LOW- PIPE RAMS,BLIND RAMS,CHOKE VALVES,CHOKE MANIFOLD, KILL LINE - HIGH = 5000 PSI - LOW = 250 PSI, ANNULAR = 2500 PSI HIGH - 250 PSI LOW, CSNG TO 1500 PSI F/ 30 MIN
	4:30 - 11:00	6.50	DRLPRO	05	A	P		HELD SAFETY MTNG W/ WEATHERFORD & RIG CREW - RIG UP SAME.INSTALL WEAR BUSHING-PICK UP BHA # 1 & DRLL PIPE. RIG DOWN WEATHERFORD
	11:00 - 12:00	1.00	DRLPRO	17		P		FUNCTION PUMPS - AND PRE SPUD INSPECTION
	12:00 - 13:30	1.50	DRLPRO	02	F	P		DRILL CMNT,FLOAT,SHOE
	13:30 - 14:00	0.50	DRLPRO	06	A	P		LUBERICATE RIG
	14:00 - 0:00	10.00	DRLPRO	02	B	P		DRLG 7 7/8 HOLE F/ 2418' TO 3208' - 790' - 79 FPH,WOB 16- STRNGWT-UP/DWN/ROT- 80-75-78, - SPM=120-SPP=1400-1500- OFF BTM=1200-DIFF=250-350-GPM=454-RPM=50-MUD MTR=140-MUD WT=8.6 VIS=27 - HELD BOP DRILL- PUMP HIGH VIS SWEEPS TO CLEAN HOLE
3/23/2009	0:00 - 12:30	12.50	DRLPRO	02	B	P		DRLG F/ 3208' TO 4473' - 1265' = 101 FPH - WOB-17-STRINGWT-110-UP/DWN/ROT-115-105-110-SPM-120-GPM-454-SPP-2320-OFFBTM-2120-DIFF-250-300-RPM-55-MUDMTR-140-MUD WT-8.7-VIS27- PUMP HIGH VIS SWEEPS TO CLEAN HOLE
	12:30 - 13:00	0.50	DRLPRO	06	A	P		LUBERICATE RIG
	13:00 - 20:00	7.00	DRLPRO	02	B			DRLG F/ 4473' TO 5264' - 791' - 113 FPH-WOB-17-STRINGWT-UP/DWN/ROT-120-110-115-SPM-120-GPM-454-SPP-2350-OFFBTM-2150-DIFF-200-275-RPM-50-MUDMTR-140-MUD WT-8.7-VIS27-MWD FAILED-
	20:00 - 20:30	0.50	DRLPRO	09	A	P		SURVEY DEPTH @ 5143' W/ E-TOOL BARREL ASSY ON WIRELINE = 1.8 DEGREE - 190.58 AZ
	20:30 - 0:00	3.50	DRLPRO	02	B	P		DRLG F/ 5264' TO 5675' - 411' = 117 FPH - WOB-17-18-STRINGWT-UP/DWN/ROT-123-103-118-SPM-120-GPM-454-SSP-2350-OFFBTM-2150-DIFF-180-270-RPM-50-MUDMTR-140-MUD WY- 8.7-VIS-27-3-5' FLARE AFTER SURVEY DOWN TIME
3/24/2009	0:00 - 1:30	1.50	DRLPRO	02	B	P		DRLG F/ 5675' TO 5801'=126'=84 FPH , MUD WT 8.5 ,VIS 27,WOB 16 ,RPM 50 , MOTOR RPM 100,SPM 120 ,GPM 454 ,SPP 2350 ,ST WT UP/DN/ROT 132-128-129 ,DIFF PSI 250-300 ,OFF BTM 2020
	1:30 - 2:00	0.50	DRLPRO	09	A	P		SURVEY @ 5680' 1.56 DEG ,140.32 AZ
	2:00 - 15:00	13.00	DRLPRO	02	B	P		DRLG F/ 5801' TO 6655' =854' =65.6 FPH , MUD WT 8.8 , VIS 32 ,WOB 18 ,RPM 50 ,MOTOR RPM 100 ,SPM 120 ,GPM 454 ,SPP 2200 ,ST WT UP/DN/ROT 149-146-148 ,DIFF 120-280 ,OFF BTM PSI 1940
	15:00 - 15:30	0.50	DRLPRO	06	A	P		RIG SERVICE

Operation Summary Report

Well: NBU 1022-4N4T	Spud Conductor: 2/23/2009	Spud Date: 2/26/2009
Project: UTAH	Site: UINTAH	Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING	Start Date: 2/18/2009	End Date: 3/28/2009
Active Datum: RKB @5,242.00ft (above Mean Sea Level)	UWI: 0/10/S/22/E/4/0/SESW/6/PM/S/284.00/W/0/2,145.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	15:30 - 0:00	8.50	DRLPRO	02	B	P		DRLG F/ 6655' TO 7156' = 501'=58.9 FPH ,WT 9.1 ,VIS 39, 2% LCM ,WOB 18-20 ,RPM 50 ,MOTOR RPM 100 ,SPM 120 ,GPM 454 ,SPP 2250,ST WT UP/DN/ROT 157-151-153 ,DIFF PSI 230-290 OFF BTM 2100
3/25/2009	0:00 - 12:00	12.00	DRLPRO	02	B	P		DRLG F/ 7156' TO 7698' =542' = 45.1 FPH ,WT 10.2 ,VIS 44 , 2% LCM ,WOB 20 ,SPM 120 ,GPM 454 RPM 50 ,MOTOR RPM 100 ,SPP 2450 ,ST WT UP/DN/ROT 158-154-157 ,DIFF 120-340 ,OFF BTM 2250
	12:00 - 13:00	1.00	DRLPRO	09	A	P		SURVEY @ 7617' 1.10 DEG.
	13:00 - 16:00	3.00	DRLPRO	02	B	P		DRLG F/ 7698' TO 7856' =158' =52.6 FPH ,WT 10.3 ,VIS 42 ,2% LCM ,WOB 18-20 ,SPM 120 ,GPM 454 ,RPM 50 ,MOTOR RPM 100 ,SPP 2550 ,ST WT UP/DN/ROT 162-158-161 ,,DIFF 120-300 ,OFF BTM 2370
	16:00 - 16:30	0.50	DRLPRO	06	A	P		RIG SERVICE
	16:30 - 0:00	7.50	DRLPRO	02	B	P		DRLG F/ 7856' TO 8092' =236' =31.4 FPH ,WT 11.1 ,VIS 42 ,2% LCM ,WOB 20-22 ,SPM 110 , GPM 416 ,RPM 65 ,MOTOR RPM 91 ,SPP 2670 ,ST WT UP/DN/ROT 165-158-161 ,DIFF 150-280 ,OFF BTM 2550
3/26/2009	0:00 - 8:30	8.50	DRLPRO	02	B	P		DRLG F/ 8092' TO 8267' =175' = 20.6 FPH ,MUD WT 11.5 ,VIS 43 ,2% LCM ,WOB 22-24,SPM 110 ,GPM 416 ,RPM 60 ,MOTTOR RPM 91 ,SPP 2700 ,ST WT UP/DN/ROT 165-158-161,DIFF 150-280 ,OFF BTM 2550
	8:30 - 9:00	0.50	DRLPRO	04	C	P		CIRC ,MIX & PUMP PILL
	9:00 - 13:30	4.50	DRLPRO	05	A	P		TOOH L/D PROSHOT, MONEL,MOTOR & #1 BIT ,NO PROBLEMS HOLE CLEAN
	13:30 - 15:30	2.00	DRLPRO	05	A	P		P/U #2 BIT & NEW MOTOR TIH TO CSG SHOE (FILL PIPE)
	15:30 - 16:30	1.00	DRLPRO	06	D	P		SLIP & CUT 95' DRLG LINE ,INSPECT BRAKES & DRUM, DISCOVERED FIRST GROOVE ON DRUM HAD 1" CRACK HALF WAY AROUND DRUM
	16:30 - 20:30	4.00	DRLPRO	07	A	Z		WAIT ON WELDER TO REPAIR DRUM GROOVE
	20:30 - 21:30	1.00	DRLPRO	06	D	P		FINISH SLIP & CUT 95' DRLG LINE
	21:30 - 23:30	2.00	DRLPRO	05	A	P		FINISH TIH ,NO HOLE PROBLEMS
	23:30 - 0:00	0.50	DRLPRO	03	D	P		WASH & REAM 90' TO BTM 15' FILL
3/27/2009	0:00 - 13:00	13.00	DRLPRO	02	B	P		DRLG F/ 8267' TO 8900' TD @ 13:00 3/27/2009 =633' =48.7 FPH , MUD WT 11.8 ,VIS 50 ,WOB 18 ,RPM 50 ,MOTOR RPM 100 ,SPM 120 ,GPM 454 ,SPP 2500 ST WT UP/DN/ROT 182-164-174 , DIFF 250-350 ,OFF BTM 2250
	13:00 - 14:00	1.00	DRLPRO	04	C	P		CIRC F/ SHORT TRIP
	14:00 - 14:30	0.50	DRLPRO	05	E	P		SHORT TRIP 10 STANDS ,NO PROBLEMS
	14:30 - 17:00	2.50	DRLPRO	04	C	P		CIRC F/ LDDP ,R/U WEATERFORD & HOLD SAFETY MEETING
	17:00 - 17:30	0.50	DRLPRO	06	A	P		RIG SERVICE
	17:30 - 22:30	5.00	DRLPRO	05	A	P		LDDP,BREAK KELLY ,L/D BHA ,PULL WEAR RING
	22:30 - 0:00	1.50	DRLPRO	10	C	P		SAFETY MEETING W/ BAKER ATLAS R/U & RUN TRIPLE COMBO LOGS
3/28/2009	0:00 - 6:30	6.50	DRLPRO	10	C	P		RUN TRIPLE COMBO TO 8926' LOGGERS DEPTH ,NO PROBLEMS R/D LOGGERS
	6:30 - 10:30	4.00	DRLPRO	11	A	P		SAFETY MEETING W/ WEATERFORD & R/U CASERS ,RUN 202 JTS 4.5 11.6 I-80 TO 8888'
	10:30 - 13:00	2.50	DRLPRO	04	E	P		CIRC F/ CEMENT ,R/D CASERS
	13:00 - 16:30	3.50	DRLPRO	12	F	Z		WAIT ON BJ SERVICES 3.5 HRS

ROCKIES

Operation Summary Report

Well: NBU 1022-4N4T	Spud Conductor: 2/23/2009	Spud Date: 2/26/2009
Project: UTAH	Site: UINTAH	Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING	Start Date: 2/18/2009	End Date: 3/28/2009
Active Datum: RKB @5,242.00ft (above Mean Sea Level)	UWI: 0/10/S/22/E/4/0/SESW/6/PM/S/284.00/W/0/2,145.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	16:30 - 21:00	4.50	DRLPRO	15	A	P		R/U BJ SERVICES ,SAFETY MEETING,PUMP 20 BBLS MUD CLEAN ,20 BBLS FRESH WATER,387 SX LEAD ,1100 SX TAIL ,DISPLACE W/ 137.5 BBLS CLAY TREAT WATER, LOST PARTIAL RETURNS 30 BBLS INTO DISPLACEMENT,NO CEMENT TO SURFACE ,2510 LIFT PRESSURE,BUMPED PLUG @ 3150 PSI ,FLOATS HELD
	21:00 - 0:00	3.00	DRLPRO	13	A	P		NIPPLE DOWN CLEAN PITS RELEASE RIG TO NBU 1022- 04L1T

ROCKIES

Operation Summary Report

Well: NBU 1022-4N4T	Spud Conductor: 2/23/2009	Spud Date: 2/26/2009
Project: UTAH	Site: UINTAH	Rig Name No: GWS 1/1, SWABBCO 1/1
Event: COMPLETION	Start Date: 4/24/2009	End Date: 5/2/2009
Active Datum: RKB @5,242.00ft (above Mean Sea Level)	UWI: 0/10/S/22/E/4/0/SESW/6/PM/S/284.00/W/0/2,145.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
4/24/2009	9:00 - 17:00	8.00	COMP	30	A	P		ROAD RIG FROM RANGLEY COLO, TO LOC, MIRU, N/D WH, N/U BOPS, PRESSURE TEST BOPS, LOW TEST 300# HIGH TEST 3000#, OK, BLEED OFF SHUT WELL IN, SDFWE
4/27/2009	7:00 - 7:15	0.25	COMP	48		P		JSA-SAFETY MEETING #2, DAY 2,
	7:15 - 13:00	5.75	COMP	31	I	P		SPOT TBG TRAILER ON LOC, TALLY 2-3/8" J-55 TBG, P/U 3-7/8" MILL AND BIT SUB, TIH W/ 2-3/8" TBG, TAG FLOAT COLLER AT 8854', 282 JTS 2-3/8" TBG.
	13:00 - 14:00	1.00	COMP	31	H	P		R/U MUD PUMP, CIRC WELL DN TBG OUT CSG, PUMP 175 BBL 2%KCL WTE W/ GETTING @ 2 BBL MUD BACK.
	14:00 - 17:00	3.00	COMP	31	I	P		P/U LAY DN 60 JTS ON TRAILER, TOOH STANDING TBG BACK, LAY DN POBS & MILL, SHUT WELL IN SDFN
4/29/2009	7:00 - 7:30	0.50	COMP	48		P		JSA-SAFETY MEETING #4, DAY 4, MEETING W/ WEATHERFORD FRAC AND CUTTER WIRELINE & RIG CREW.

Operation Summary Report

Well: NBU 1022-4N4T	Spud Conductor: 2/23/2009	Spud Date: 2/26/2009
Project: UTAH	Site: UINTAH	Rig Name No: GWS 1/1, SWABBCO 1/1
Event: COMPLETION	Start Date: 4/24/2009	End Date: 5/2/2009
Active Datum: RKB @5,242.00ft (above Mean Sea Level)	UWI: 0/10/S/22/E/4/0/SESW/6/PM/S/284.00/W/0/2,145.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation

	7:30 - 13:00	5.50	COMP	36	D	P		WELL HAD #, R/D HALLIBURTON GAUGES, R/U CUTTER WIRELINE AND WEATHERFORD FRAC, CUTTER RIH W/ PERF GUNS AND PERF THE MESAVERDE @ 8760'N -63' & 8670' - 76', 3-SPF, USING 3-3/8 PERF GUNS, 23 gm, 0.36 HOLE, 90* PHS, 42 HOLES, WHP = 1800 #,
								
								(STG #1) WEATHERFORD PRESSURE TESTED SURFACE LINES TO 8500#, BRK DN PERF 3611 #, @ 5 B/M, INJ-RT = 50 B/M, INJ-P = 3450 #, ISIP = 2878#, F.G. = 0.76, PMPD 3 BBLS 15 % HCL AHEAD OF INJ, CALC 62% PERF OPEN, PMPED BBL1244 SLK WTR & 48316 # OTTAWA SAND, ISIP = 2692 #, F.G.= 0.75 ,
								NPI = -186 , MP = 6823 #, MR = 50.7 B/M, AP = 5297#,, AR = 50.3 B/M, 43316 # 30-50 OTTAWA SD, 5000 # TLC 20-40 SD, 26 GALS WFR, 52 GALS WCS, 52 GALS WNE, 27 GALS NALCO BIOCIDE, 169 GALS NALCO SCALE INHB,
								
								(STG #2) RIH W/ BAKER 8K CBP & PERF GUNS, SET CBP @ 8550', PERF THE MESAVERDE @ 8509' - 14' 4-SPF, 8472' -75', 8405' - 08', 8382' - 84', 3-SPF, USING 3-3/8" EXP GUNS, 23 gm, 0.36 HOLE, 90* PHS, 44 HOLES, WHP = 150#, BRK DN PERF @ 2543# @ 5 B/M, INJ-RT = 50 B/M, INJ-P = 4200#, ISIP = 2003#, F.G.= 0.68, CALC 86% PERF OPEN, PMPED 1040 BBL SLK WTR & 41263# OTTAWA SD, ISIP = 2764#, F.G.= 0.77, NPI = 761, MP = 4909#, MR = 51.7 B/M, AP = 4187#, AR = 49.6 B/M, 36164# 30/50 OTTAWA SD, 5099# 20/40 SD,
								23 GALS WFR, 43 GALS WCS, 43 GALS WNE, 21 GALS NALCO BIOCIDE, 95 GALS NALCO SCALE INHB,
								
								(STG #3 DEFIT) RIH W/ BAKER 8K CBP & PERF GUNS, SET CBP @ 8332', PERF THE MESA VERDE @ 8297' TO 8302', 2-SPF, USING 3-3/8" EXP GUNS, 23gm, 0.36 HOLE, 90* PHS, 10 HOLES,
								DEFIT, WHP = 1050#, PUMP AT 4 B/M W/ 2268#, PUMP 24 BBLS, ISIP 2070#, F.G.= 0.69, 5 MIN = 1507#,
								10 MIN = 1353#, 15 MIN = 1267#, SHUT WELL IN FOR DEFIT, SHUT DOWN TILL AM.

4/30/2009	6:30 - 6:45	0.25	COMP	48		P		JSA-SAFETY MEETING #5, DAY 5

Operation Summary Report

Well: NBU 1022-4N4T	Spud Conductor: 2/23/2009	Spud Date: 2/26/2009
Project: UTAH	Site: UINTAH	Rig Name No: GWS 1/1, SWABBCO 1/1
Event: COMPLETION	Start Date: 4/24/2009	End Date: 5/2/2009
Active Datum: RKB @5,242.00ft (above Mean Sea Level)	UWI: 0/10/S/22/E/4/0/SESW/6/PM/S/284.00/W/0/2,145.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	6:45 - 16:00	9.25	COMP	36	B	P		NO PRESSURE ON WELL, R/U WIRELINE RIH W/ PERF GUNS, (STG #3) PERF THE MESA VERDE @ 8249'- 51', 8202' - 05' 4-SPF, 8184' - 87' 3-SPF, USING 3-3/8" EXP GUNS, 23gm, 0.36 HOLE, 90* PHS, TOTAL 39 HOLES, WHP = 60 #, BRK DN PERF @ 2793 # @ 10 B/M, INJ-RT = 50.6 B/M, INJ-P = 4200 #, ISIP = 1973 #, F.G.= 0.68 , CALC ALL PERF OPEN, PMPD 2527.6 BBLS SLK & 104345 # SAND, ISIP = 2473#, F.G.= 0.75, NPI = 500, MP = 5277#, MR= 50.8 B/M, AP = 1437#, AR = 50.4 B/M, 99357# 30/50 SAND, 4988# 20/40 TLC SAND, 53 GALS WFR, 106 GALS WCS, 106 GAL WNE, 53 GALS NALCO BIOCIDE, 172 GALS NALCO SCALE INHB. (STG #4) RIH W/ BAKER 8K CBP & PERF GUNS, SET CBP @ 8162', PERF THE MESA VERDE @ 8127' - 32' 4-SPF, 8030', - 34', 7994' - 98', 3-SPF, USING 3-3/8" EXP GUNS, 23gm, O.36 HOLE, 44 HOLES, WHP = 38#, BRK DN PERF @ 6874#, @ 4.7 B/M, INJ-RT = 48.1 B/M, INJ-P = 6250#, ISIP = 2387#, F.G.= 0.74, CALC 60% PERF OPEN, PMPED 549.4 BBLS SLK WTR, 18721# SAND, ISIP = 2400#, F.G.= 0.74, NPI = 13, MP = 6874#, MR = 48.7 B/M, AP = 3845#, AR = 49.3 B/M, 13721 # 30/50 OTTAWA SAND, 5000# 20/40 TLC SAND, 11 GALS WFR, 23 GALS WCS, 23 GALS WNE, 12 GAL NALCO BIOCIDE, 74 GALS NALCO SCALE INHB, (STG #5) RIH W/ BAKER 8K CBP & PERF GUNS, SET CBP @ 7970', PERF THE MESA VERDE @ 7939' - 44' 4-SPF, 7908' - 12', 7812' - 18', 3-SPF, USING 3-3/8" EXP GUNS, 23 gm, 0.36 HOLE, 44 HOLES, WHP = 75#, BRK DN PERF @ 5090# @ 4.5 B/M, INJ-RT = 49.9 B/M, INJ-P = 3800#, ISIP = 2349#, F.G.= 0.74, CALC ALL PERF OPEN, PMPED 627.6 BBLS SLK WTR & 22408 # SAND, ISIP = 2422#, F.G.= 0.75, NPI = 73, MP = 5090#, MR = 50.4 B/M, AP = 3752#, AR = 49.4 B/M, 17398# 30/50 OTTAWA SAND, 5010# 20/40 TLC SAND, 14 GALS WFR, 26 GALS WCS, 26 GALS WNE, 14 GALS NALCO BIOCIDE, 42 GALS NALCO SCALE INHB. (STG #6) RIH W/ BAKER 8K CBP & PERF GUNS, SET CBP @ 7750', PERF THE MESA VERDE @ 7714' - 20', 7634' - 38', 7558' - 62', 3-SPF, USING 3-3/8" EXP GUNS, 23 gm, 0.36 HOLE, 90* PHS, 42 HOLES, WHP = 0 #, BRK DN PERF @ 2880 # @4.7 B/M, INJ-RT = 49.9 B/M, INJ-P = 4050 #, ISIP = 1505 #, F.G.= 0.64 , CALC 90% PERF OPEN, PMPED 834.3 BBLS SLK WTR & 32079 # SAND, ISIP = 2528 #, F.G.= 0.77 , NPI = 1023 , MP = 4691 #, MR = 50.4 B/M, AP = 3802 #, AR = 49.9 B/M, 26937 # 30/50 OTTAWA SAND, 5142 # 20/40 TLC SAND, 18 GALS WFR, 35 GALS WCS, 35 GALS WNE, 19 GALS NALCO BIOCIDE, 73 GALS NALCO SCALE INHB,

Operation Summary Report

Well: NBU 1022-4N4T	Spud Conductor: 2/23/2009	Spud Date: 2/26/2009
Project: UTAH	Site: UINTAH	Rig Name No: GWS 1/1, SWABBCO 1/1
Event: COMPLETION	Start Date: 4/24/2009	End Date: 5/2/2009
Active Datum: RKB @5,242.00ft (above Mean Sea Level)	UWI: 0/10/S/22/E/4/0/SESW/6/PM/S/284.00/W/0/2,145.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation

								(STG #7) RIH W/ BAKER 8K CBP & PERF GUNS, SET CBP @ 7474', PERF THE MESA VERDE @ 7440' - 44', 4-SPF, 7378'- 82', 7338' - 40', 7247' - 50', 3-SPF, USING 3-3/8" EXP GUNS, 23 gm, 0.36 HOLE, 90* PHS,
								43 HOLES, WHP = 25#,
								BRK DN PERF @ 3173# @ 4.7 B/M, INJ-RT = 50 B/M, INJ-P = 3950#, ISIP = 1436#, F.G.= 0.64, CALC 90% PERF OPEN, PMPED 1398.1 BBL SLK WTR & 59663# SAND, ISIP = 2169#, F.G.= 0.74, NPI = 733, MP = 4206#, MR = 50.2 B/M, AP = 3614#, AR = 50.1 B/M, 54798# 30/50 OTTAWA SAND, 4865# 20/40 TLC SAND, 30 GALS WFR, 62 GALS WCS, 59 GALS WNE, 30 GAL NALCO BIOCIDE, 116 GALS NALCO SCALE INHB.
								
								(STG #8) RIH W/ BAKER 8K CBP & PERF GUNS, SET CBP @ 7197', PERF THE MESA VERDE @ 7148' - 56' 4-SPF, 7050' - 54' 2-SPF, USING 3-3/8" EXP GUNS, 23 gm, 0.36 HOLE, 90* PHS, 40 HOLES, WHP = 1305 #
								BRK DN PERF @ 3212 #,@ 4.7 B/M, INJ-RT = 50 B/M, INJ-P = 4350 #, ISIP = 1909 #, F.G.= 0.71, CALC 83% PERF OPEN, PUMPED 634.5 BBLS SLK WTR & 23822 # SAND, ISIP = 2261 #, F.G= 0.76 , NPI = 352 ,
								MP = 6074 #, MR = 50.1 B/M, AP = 3937 #, AR = 49.9 B/M, 19706 # 30/50 OTAWA SAND, 4116 # 20/40 TLC SAND, 11 GALS WFR, 27 GALS WCS, 22 GALS WNE, 11 GALS NALCO BIOCIDE, 29 GALS NALCO SCALE INHB
								
								(KILL PLUG) RIH W/ BAKER 8K CBP, SET CBP @ 7000', R/D CUTTER WIRELINE AND WEATHERFORD FRAC.
								TOTAL FLUID = 8883 BBLS SLK WTR,
								TOTAL SAND = 357,855 #
								TOTAL NALCO BIOCIDE = 187 GALS,
								TOTAL NALCO SCALE INHIB = 770 GALS
								TOTAL WFR = 186 GALS,
								TOTAL WCS = 374 GALS
								TOTAL WNE = 366 GALS

	16:00 - 18:00	2.00	COMP	31	I	P		N/D FRAC VALVE, N/U BOPS, P/U 3-7/8" MILL AND POBS, TIH W/ 2-3/8" TBG TO @ 5500', SWI, SDFN
5/1/2009	7:00 - 7:15	0.25	COMP	48		P		JSA-SAFETY MEETING #6, DAY 6
	7:15 - 8:30	1.25	COMP	31	I	P		TIH W/ 2-3/8" TBG, TAG @ 7000', R/U POWER SWIVEL.

ROCKIES

Operation Summary Report

Well: NBU 1022-4N4T	Spud Conductor: 2/23/2009	Spud Date: 2/26/2009
Project: UTAH	Site: UINTAH	Rig Name No: GWS 1/1, SWABBCO 1/1
Event: COMPLETION	Start Date: 4/24/2009	End Date: 5/2/2009
Active Datum: RKB @5,242.00ft (above Mean Sea Level)	UWI: 0/10/S/22/E/4/0/SESW/6/PM/S/284.00/W/0/2,145.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation

	8:30 - 19:00	10.50	COMP	44	C	P		PRESSURE TEST BOPSS, BROKE CIRC DN TBG OUT CSG,
								(DRLG CBP #1) 7000', DRILL OUT BAKER 8K CBP IN 30 MIN, O# DIFF, RIH TAG @ 7186', FCP = 25#.
								
								(DRLG CBP #2) 7186', DRILL OUT BAKER 8K CBP IN 25 MIN, 25# DIFF, RIH TAG @ 7450', C/O 24 ' SAND,
								FCP = 50 #
								
								(DRLG CBP #3) 7474', DRILL OUT BAKER 8K IN 5 MIN, 250# DIFF, RIH TAG @ 7735', C/O 15' SAND, FCP 400#,
								
								(DRLG CBP #4) 7750', DRILL OUT BAKER 8K CBP IN 10 MIN, 50# DIFF, PRESSURE CAME UP TO 600#, WORK TRY TO GET TBG DN, PULLED 2-JTS, PUMP 130 BBL DN WELL, PRESSURE CAME DN TO 300 #, CBP ON BOTTOM OF MILL STILL WOULD NOT GO DN, WORK W/ GETTING CBP TO MOVE DN HOLE, RIH TAG @ 7938', C/O 42' SAND, FCP, 450#,
								
								(DRLG CBP #5) 7970', DRILL OUT BAKER 8K CBP IN 35 MIN, 250 # DIFF, RIH TAG @ 8130', C/O 31' SAND,
								FCP = 500#,
								
								(DRLG CBP #6) 8162', DRILL OUT BAKER 8K CBP IN 45 MIN, 100 # DIFF.CBP STAY W/ MILL, PULLED OUT 3 JTS W/ PRESSURE @ 800#, WORK TBG TRY TO GET CBP TO DROP OFF, PRESSURE AND PLUG HOLDING TBG FROM GOING IN HOLE,
								
								HOOK UP FLOW LINE TO FLOW BACK TK, OPEN WELL TO TK ON 32/64 CHOKE W/ 1250#, TURN WELL OVER TO FLOW BK CREW TO BLOW DN OVER NIGHT, SDFN

5/2/2009	7:00 - 7:15	0.25	COMP	48		P		JSA-SAFETY MEETING #7, DAY 7

ROCKIES

Operation Summary Report

Well: NBU 1022-4N4T	Spud Conductor: 2/23/2009	Spud Date: 2/26/2009
Project: UTAH	Site: UINTAH	Rig Name No: GWS 1/1, SWABBCO 1/1
Event: COMPLETION	Start Date: 4/24/2009	End Date: 5/2/2009
Active Datum: RKB @5,242.00ft (above Mean Sea Level)	UWI: 0/10/S/22/E/4/0/SESW/6/PM/S/284.00/W/0/2,145.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	7:15 - 17:00	9.75	COMP	44	C	P		WELL FLOW BACK OVER NIGHT W/ PRESSURE STAYING @ 800# 0N 40/64 CHOKE, FLOWED BK @ 677 BBLS WTR, TIH TAG @ 8300', C/O 32' SAND, FCP = 850#, (DRLG CBP #7) 8332', DRILLOUT BAKER CBP IN 1 HOUR, 100# DIFF, RIH TAG 8500', C/O 50' SAND, FCP = 900#, (DRLG CBP #8) 8550', DRILL OUT BAKER 8K CBP IN 30 MIN, 100 # DIFF, RIH TAG SAND @ 8844', C/O 10' SAND TO PBTD @ 8854', FCP = 950#, CIRC WELL CLEAN, R/D POWER SWIVEL, POOH LAY DN 16 JTS ON TRAILER, LAND TBG ON HANGER W/ 266 JTS 2-3/8" J-55 TBG, EOT @ 8360.37', R/D FLOOR AND TBG EQUIP, N/D BOPS, N/U WH, DROP BALL DN TBG , WAIT 30 MIN FOR BALL TO FALL, PUMP OFF THE IT SUB @ 4,000#, WAIT 30 MIN FOR BIT TO FALL, OPEN WELL UP TO TK ON 20/64 CHOKE, FTP = 2100#, SICP = 2550#, TURN WELL OVER TO FBC @ 11:00 A.M. W/ 3010 BBLS WTR LTR, RACK OUT EQUIP, R/D SERVICE UNIT, PREPARE TO MOVE OFF LOC.. RELEASE RIG AVG 32 MIN / PLUG @ 100' SAND. 304 JTS 2-3/8" TBG DELV. 266 JTS 2-3/8" TBG LANDED 36 JTS 2-3/8" TBG RETURNED 2 JTS 2-3/8" TBG BAD KB = 18.00' HANGER = .80' 266 JTS 2-3/8" TBG = 8337.17' XN-NIPPLE & POBS = 4.40' --- --- EOT = 8360.37'
5/3/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 3050#, TP 2250#, 20/64" CK, 32 BWPH, TRACE SAND, LIGHT GAS TTL BBLS RECOVERED: 8860 BBLS LEFT TO RECOVER: 2230
5/4/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 2900#, TP 2150#, 20/64" CK, 20 BWPH, TRACE SAND, 3400 GAS TTL BBLS RECOVERED: 9498 BBLS LEFT TO RECOVER: 1592
5/5/2009	7:00 -		PROD	35	G	P		7 AM FLBK REPORT: CP 2800#, TP 2050#, 20/64" CK, 15 BWPH, TRACE SAND, 3400 GAS TTL BBLS RECOVERED: 9920 BBLS LEFT TO RECOVER: 1170

API Well No: 43047399950000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-01191

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: NBU 1022-04N4T

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047399950000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6587 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0284 FSL 2145 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 04 Township: 10.0S Range: 22.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
✓ SUBSEQUENT REPORT Date of Work Completion: 5/3/2009	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	✓ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE SUBJECT WELL WAS PLACED ON PRODUCTION ON 05/03/2009 AT 1:00 PM. PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

Accepted by the Utah Division of Oil, Gas and Mining

FOR RECORD ONLY

May 11, 2009

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Sheila Upchego	435 781-7024	Regulatory Analyst
SIGNATURE N/A		**DATE** 5/8/2009

RECEIVED May 08, 2009

ROCKIES

Operation Summary Report

Well: NBU 1022-4N4T	Spud Conductor: 2/23/2009	Spud Date: 2/26/2009
Project: UTAH	Site: UINTAH	Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING	Start Date: 2/18/2009	End Date: 3/28/2009
Active Datum: RKB @5,242.00ft (above Mean Sea Level)	UWI: 0/10/S/22/E/4/0/SESW/6/PM/S/284.00/W/0/2,145.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
2/26/2009	12:00 - 18:00	6.00	MIRU	01	A	P		M.I.R.U. AIR DRILL RIG & EQUIPMENT
	18:00 - 0:00	6.00	DRLSUR	02	A	P		DRILL F/ 40' - T/ 960' W/ AIR HAMMER - NO FORMATION WATER ENCOUNTERED
2/27/2009	0:00 - 8:00	8.00	DRLSUR	02	A	P		DRILL F/ 270' - T/ 960' W/ HAMMER
	8:00 - 10:30	2.50	DRLSUR	07	A	Z		RIG REPAIR ON FUEL SYSTEM (DIRTY FUEL FILTERS)
	10:30 - 0:00	13.50	DRLSUR	02	A	P		DRILL F/ 960' - T/ 1380' W/ HAMMER
2/28/2009	0:00 - 0:30	0.50	DRLSUR	04	C	P		CIRC & CONDITION HOLE FOR TRIP
	0:30 - 3:30	3.00	DRLSUR	05	A	P		P.O.O.H. / LAY DOWN HAMMER / PICK UPTRI-CONE BIT / T.I.H.
	3:30 - 4:00	0.50	DRLSUR	04	A	P		CIRCULATE & CONDITION HOLE FOR SURVEY
	4:00 - 5:00	1.00	DRLSUR	09	A	P		WIRELINE SURVEY @ 1350' - 1/2 DEG
	5:00 - 18:30	13.50	DRLSUR	02	A	P		DRILL F/ 1380' - T/ 1680' PUMP W/ AIR GOOD RETURNS
	18:30 - 19:00	0.50	DRLSUR	04	A	P		CIRCULATE & CONDITION HOLE FOR SURVEY
	19:00 - 19:30	0.50	DRLSUR	09	A	P		WIRELINE SURVEY @ 1650' - 1 DEG
	19:30 - 0:00	4.50	DRLSUR	02	A	P		DRILL F/ 1680' - T/ 1770'
3/1/2009	0:00 - 10:30	10.50	DRLSUR	02	A	P		DRILL F/ 1770' - T/ 1920'
	10:30 - 12:00	1.50	DRLSUR	07	A	Z		PULL 3 JOINTS / CHANGE OUT PUMP EQUIPMENT TRAILER
	12:00 - 16:30	4.50	DRLSUR	02	A	P		DRILL F/ 1920' - T/ 2010'
	16:30 - 17:00	0.50	DRLSUR	04	A	P		CIRCULATE & CONDITION HOLE FOR SURVEY
	17:00 - 17:30	0.50	DRLSUR	09	A	P		WIRELINE SURVEY @ 1950' - 3/4 DEG
	17:30 - 0:00	6.50	DRLSUR	02	A	P		DRILL F/ 2010' - T/ 2190' W/ PUMP & AIR
3/2/2009	0:00 - 7:30	7.50	DRLSUR	02	A	P		DRILLI F/ 2190' - T/ 2400' (T.D.)
	7:30 - 8:30	1.00	DRLSUR	04	C	P		CIRCULATE & CONDITION HOLE FOR CASING
	8:30 - 9:30	1.00	DRLSUR	09	A	P		WIRELINE SURVEY @ 1950' - 3/4 DEG
	9:30 - 12:30	3.00	DRLSUR	05	D	P		P.O.O.H. / L.D.B.H.A.
	12:30 - 13:30	1.00	CSG	11	A	P		SAFETY MEETING / RIG UP TO RUN CASING
	13:30 - 16:00	2.50	CSG	11	B	P		RUN 55 JTS #36.0 9 5/8 LT&C CASING = TOOLS / SET @ 2363'
	16:00 - 17:00	1.00	CSG	01	A	P		R.D.M.O. AIR TOOLS / RIG MOVED TO TOWN - WAIT ON NEXT WELL
	17:00 - 18:00	1.00	CSG	15	A	P		SAFETY MEETING / M.I.R.U. EQUIPMENT / PUMP 165 BBLS H2O + 350 SX CLASS G CEMENT @ #15.8 (1.15 YEILD @ 5 GPS H2O) / DROP PLUG AND DISPLACE W/ 179 BBLS H2O / PLUG DOWN @ 17:45 W/ NO CEMENT TO SURFACE / CEMENT 1st TOP JOB W/ 100 SX CLS G + 4% CACL (1.15 YIELD @ 5.0 GPS) W/ NO CEMENT TO SURFACE.
	18:00 - 20:30	2.50	CSG	12	B	P		W.O.C.
	20:30 - 21:00	0.50	CSG	15	A	P		CEMENT 2nd TOP JOB W/ 150 SX CLS G + 4% CACL (1.15 YIELD @ 5.0 GPS) W/ NO CEMENT TO SURFACE
	21:00 - 23:00	2.00	CSG	12	B	P		W.O.C.
	23:00 - 23:30	0.50	CSG	15	A	P		CEMENT 3rD TOP JOB W/ 150 SX CLASS G + 4 % CACL CEMENT @ #15.8 (1.15 YEILD @ 5 GPS H2O) W/ APPROXIMATE 3 BBLS CEMENT TO SURFACE / APPROX 2 BBLS FELLL BACK AND CEMENT REMAINED AT SURFACE
	23:30 - 0:00	0.50	SUSPEN	12	E	P		W.O.R.T.

ROCKIES

Operation Summary Report

Well: NBU 1022-4N4T	Spud Conductor: 2/23/2009	Spud Date: 2/26/2009
Project: UTAH	Site: UINTAH	Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING	Start Date: 2/18/2009	End Date: 3/28/2009
Active Datum: RKB @5,242.00ft (above Mean Sea Level)	UWI: 0/10/S/22/E/4/0/SESW/6/PM/S/284.00/W/0/2,145.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
3/20/2009	6:00 - 7:00	1.00	RDMO	01	E	P		RDRT WAIT F/ TRUCKS
	7:00 - 20:00	13.00	MIRU	01	A	P		TRUCK 15 MILES,W/KUHR TRUCKING
	20:00 - 0:00	4.00	MIRU	12	D	S		WAIT ON DAYLITE,CREWS NOT ONTOUR TONIGHT
3/21/2009	0:00 - 7:00	7.00	DRLPRO	12	D	P		WAIT F/ DAY LITE TO RESUME RIG UP
	7:00 - 18:00	11.00	DRLPRO	01	B	P		RURT TUCKS LEFT AT NOON CRANE AT 1600
	18:00 - 0:00	6.00	DRLPRO	13	A			NIPPLE UP BOPE,INSTALL NEW 2X5 5000 PSI VALVE TEST HEAD
3/22/2009	0:00 - 4:30	4.50	DRLPRO	13	C	P		PRESS TEST BOPE, KELLY & VALVES - 5000 PSI HIGH-250 PSI LOW- PIPE RAMS,BLIND RAMS,CHOKE VALVES,CHOKE MANIFOLD, KILL LINE - HIGH = 5000 PSI - LOW = 250 PSI, ANNULAR = 2500 PSI HIGH - 250 PSI LOW, CSNG TO 1500 PSI F/ 30 MIN
	4:30 - 11:00	6.50	DRLPRO	05	A	P		HELD SAFETY MTNG W/ WEATHERFORD & RIG CREW - RIG UP SAME.INSTALL WEAR BUSHING-PICK UP BHA # 1 & DRLL PIPE. RIG DOWN WEATHERFORD
	11:00 - 12:00	1.00	DRLPRO	17		P		FUNCTION PUMPS - AND PRE SPUD INSPECTION
	12:00 - 13:30	1.50	DRLPRO	02	F	P		DRILL CMNT,FLOAT,SHOE
	13:30 - 14:00	0.50	DRLPRO	06	A	P		LUBERICATE RIG
	14:00 - 0:00	10.00	DRLPRO	02	B	P		DRLG 7 7/8 HOLE F/ 2418' TO 3208' - 790' - 79 FPH,WOB 16- STRNGWT-UP/DWN/ROT- 80-75-78, - SPM=120-SPP=1400-1500- OFF BTM=1200-DIFF=250-350-GPM=454-RPM=50-MUD MTR=140-MUD WT=8.6 VIS=27 - HELD BOP DRILL- PUMP HIGH VIS SWEEPS TO CLEAN HOLE
3/23/2009	0:00 - 12:30	12.50	DRLPRO	02	B	P		DRLG F/ 3208' TO 4473' - 1265' = 101 FPH - WOB-17-STRINGWT-110-UP/DWN/ROT-115-105-110-SPM-120-GPM-454-SPP-2320-OFFBTM-2120-DIFF-250-300-RPM-55-MUDMTR-140-MUD WT-8.7-VIS27- PUMP HIGH VIS SWEEPS TO CLEAN HOLE
	12:30 - 13:00	0.50	DRLPRO	06	A	P		LUBERICATE RIG
	13:00 - 20:00	7.00	DRLPRO	02	B			DRLG F/ 4473' TO 5264' - 791' - 113 FPH-WOB-17-STRINGWT-UP/DWN/ROT-120-110-115-SPM-120-GPM-454-SPP-2350-OFFBTM-2150-DIFF-200-275-RPM-50-MUDMTR-140-MUD WT-8.7-VIS27-MWD FAILED-
	20:00 - 20:30	0.50	DRLPRO	09	A	P		SURVEY DEPTH @ 5143' W/ E-TOOL BARREL ASSY ON WIRELINE = 1.8 DEGREE - 190.58 AZ
	20:30 - 0:00	3.50	DRLPRO	02	B	P		DRLG F/ 5264' TO 5675' - 411' = 117 FPH - WOB-17-18-STRINGWT-UP/DWN/ROT-123-103-118-SPM-120-GPM-454-SSP-2350-OFFBTM-2150-DIFF-180-270-RPM-50-MUDMTR-140-MUD WY- 8.7-VIS-27-3-5' FLARE AFTER SURVEY DOWN TIME
3/24/2009	0:00 - 1:30	1.50	DRLPRO	02	B	P		DRLG F/ 5675' TO 5801'=126'=84 FPH , MUD WT 8.5 ,VIS 27,WOB 16 ,RPM 50 , MOTOR RPM 100,SPM 120 ,GPM 454 ,SPP 2350 ,ST WT UP/DN/ROT 132-128-129 ,DIFF PSI 250-300 ,OFF BTM 2020
	1:30 - 2:00	0.50	DRLPRO	09	A	P		SURVEY @ 5680' 1.56 DEG ,140.32 AZ
	2:00 - 15:00	13.00	DRLPRO	02	B	P		DRLG F/ 5801' TO 6655' =854' =65.6 FPH , MUD WT 8.8 , VIS 32 ,WOB 18 ,RPM 50 ,MOTOR RPM 100 ,SPM 120 ,GPM 454 ,SPP 2200 ,ST WT UP/DN/ROT 149-146-148 ,DIFF 120-280 ,OFF BTM PSI 1940
	15:00 - 15:30	0.50	DRLPRO	06	A	P		RIG SERVICE

Operation Summary Report

Well: NBU 1022-4N4T	Spud Conductor: 2/23/2009	Spud Date: 2/26/2009
Project: UTAH	Site: UINTAH	Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING	Start Date: 2/18/2009	End Date: 3/28/2009
Active Datum: RKB @5,242.00ft (above Mean Sea Level)	UWI: 0/10/S/22/E/4/0/SESW/6/PM/S/284.00/W/0/2,145.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	15:30 - 0:00	8.50	DRLPRO	02	B	P		DRLG F/ 6655' TO 7156' = 501'=58.9 FPH ,WT 9.1 ,VIS 39, 2% LCM ,WOB 18-20 ,RPM 50 ,MOTOR RPM 100 ,SPM 120 ,GPM 454 ,SPP 2250,ST WT UP/DN/ROT 157-151-153 ,DIFF PSI 230-290 OFF BTM 2100
3/25/2009	0:00 - 12:00	12.00	DRLPRO	02	B	P		DRLG F/ 7156' TO 7698' =542' = 45.1 FPH ,WT 10.2 ,VIS 44 , 2% LCM ,WOB 20 ,SPM 120 ,GPM 454 RPM 50 ,MOTOR RPM 100 ,SPP 2450 ,ST WT UP/DN/ROT 158-154-157 ,DIFF 120-340 ,OFF BTM 2250
	12:00 - 13:00	1.00	DRLPRO	09	A	P		SURVEY @ 7617' 1.10 DEG.
	13:00 - 16:00	3.00	DRLPRO	02	B	P		DRLG F/ 7698' TO 7856' =158' =52.6 FPH ,WT 10.3 ,VIS 42 ,2% LCM ,WOB 18-20 ,SPM 120 ,GPM 454 ,RPM 50 ,MOTOR RPM 100 ,SPP 2550 ,ST WT UP/DN/ROT 162-158-161 ,,DIFF 120-300 ,OFF BTM 2370
	16:00 - 16:30	0.50	DRLPRO	06	A	P		RIG SERVICE
	16:30 - 0:00	7.50	DRLPRO	02	B	P		DRLG F/ 7856' TO 8092' =236' =31.4 FPH ,WT 11.1 ,VIS 42 ,2% LCM ,WOB 20-22 ,SPM 110 , GPM 416 ,RPM 65 ,MOTOR RPM 91 ,SPP 2670 ,ST WT UP/DN/ROT 165-158-161 ,DIFF 150-280 ,OFF BTM 2550
3/26/2009	0:00 - 8:30	8.50	DRLPRO	02	B	P		DRLG F/ 8092' TO 8267' =175' = 20.6 FPH ,MUD WT 11.5 ,VIS 43 ,2% LCM ,WOB 22-24,SPM 110 ,GPM 416 ,RPM 60 ,MOTTOR RPM 91 ,SPP 2700 ,ST WT UP/DN/ROT 165-158-161,DIFF 150-280 ,OFF BTM 2550
	8:30 - 9:00	0.50	DRLPRO	04	C	P		CIRC ,MIX & PUMP PILL
	9:00 - 13:30	4.50	DRLPRO	05	A	P		TOOH L/D PROSHOT, MONEL,MOTOR & #1 BIT ,NO PROBLEMS HOLE CLEAN
	13:30 - 15:30	2.00	DRLPRO	05	A	P		P/U #2 BIT & NEW MOTOR TIH TO CSG SHOE (FILL PIPE)
	15:30 - 16:30	1.00	DRLPRO	06	D	P		SLIP & CUT 95' DRLG LINE ,INSPECT BRAKES & DRUM, DISCOVERED FIRST GROOVE ON DRUM HAD 1" CRACK HALF WAY AROUND DRUM
	16:30 - 20:30	4.00	DRLPRO	07	A	Z		WAIT ON WELDER TO REPAIR DRUM GROOVE
	20:30 - 21:30	1.00	DRLPRO	06	D	P		FINISH SLIP & CUT 95' DRLG LINE
	21:30 - 23:30	2.00	DRLPRO	05	A	P		FINISH TIH ,NO HOLE PROBLEMS
	23:30 - 0:00	0.50	DRLPRO	03	D	P		WASH & REAM 90' TO BTM 15' FILL
3/27/2009	0:00 - 13:00	13.00	DRLPRO	02	B	P		DRLG F/ 8267' TO 8900' TD @ 13:00 3/27/2009 =633' =48.7 FPH , MUD WT 11.8 ,VIS 50 ,WOB 18 ,RPM 50 ,MOTOR RPM 100 ,SPM 120 ,GPM 454 ,SPP 2500 ST WT UP/DN/ROT 182-164-174 , DIFF 250-350 ,OFF BTM 2250
	13:00 - 14:00	1.00	DRLPRO	04	C	P		CIRC F/ SHORT TRIP
	14:00 - 14:30	0.50	DRLPRO	05	E	P		SHORT TRIP 10 STANDS ,NO PROBLEMS
	14:30 - 17:00	2.50	DRLPRO	04	C	P		CIRC F/ LDDP ,R/U WEATERFORD & HOLD SAFETY MEETING
	17:00 - 17:30	0.50	DRLPRO	06	A	P		RIG SERVICE
	17:30 - 22:30	5.00	DRLPRO	05	A	P		LDDP,BREAK KELLY ,L/D BHA ,PULL WEAR RING
	22:30 - 0:00	1.50	DRLPRO	10	C	P		SAFETY MEETING W/ BAKER ATLAS R/U & RUN TRIPLE COMBO LOGS
3/28/2009	0:00 - 6:30	6.50	DRLPRO	10	C	P		RUN TRIPLE COMBO TO 8926' LOGGERS DEPTH ,NO PROBLEMS R/D LOGGERS
	6:30 - 10:30	4.00	DRLPRO	11	A	P		SAFETY MEETING W/ WEATERFORD & R/U CASERS ,RUN 202 JTS 4.5 11.6 I-80 TO 8888'
	10:30 - 13:00	2.50	DRLPRO	04	E	P		CIRC F/ CEMENT ,R/D CASERS
	13:00 - 16:30	3.50	DRLPRO	12	F	Z		WAIT ON BJ SERVICES 3.5 HRS

ROCKIES

Operation Summary Report

Well: NBU 1022-4N4T	Spud Conductor: 2/23/2009	Spud Date: 2/26/2009
Project: UTAH	Site: UINTAH	Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING	Start Date: 2/18/2009	End Date: 3/28/2009
Active Datum: RKB @5,242.00ft (above Mean Sea Level)	UWI: 0/10/S/22/E/4/0/SESW/6/PM/S/284.00/W/0/2,145.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	16:30 - 21:00	4.50	DRLPRO	15	A	P		R/U BJ SERVICES ,SAFETY MEETING,PUMP 20 BBLS MUD CLEAN ,20 BBLS FRESH WATER,387 SX LEAD ,1100 SX TAIL ,DISPLACE W/ 137.5 BBLS CLAY TREAT WATER, LOST PARTIAL RETURNS 30 BBLS INTO DISPLACEMENT,NO CEMENT TO SURFACE ,2510 LIFT PRESSURE,BUMPED PLUG @ 3150 PSI ,FLOATS HELD
	21:00 - 0:00	3.00	DRLPRO	13	A	P		NIPPLE DOWN CLEAN PITS RELEASE RIG TO NBU 1022- 04L1T

ROCKIES

Operation Summary Report

Well: NBU 1022-4N4T	Spud Conductor: 2/23/2009	Spud Date: 2/26/2009
Project: UTAH	Site: UINTAH	Rig Name No: GWS 1/1, SWABBCO 1/1
Event: COMPLETION	Start Date: 4/24/2009	End Date: 5/2/2009
Active Datum: RKB @5,242.00ft (above Mean Sea Level)	UWI: 0/10/S/22/E/4/0/SESW/6/PM/S/284.00/W/0/2,145.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
4/24/2009	9:00 - 17:00	8.00	COMP	30	A	P		ROAD RIG FROM RANGLEY COLO, TO LOC, MIRU, N/D WH, N/U BOPS, PRESSURE TEST BOPS, LOW TEST 300# HIGH TEST 3000#, OK, BLEED OFF SHUT WELL IN, SDFWE
4/27/2009	7:00 - 7:15	0.25	COMP	48		P		JSA-SAFETY MEETING #2, DAY 2,
	7:15 - 13:00	5.75	COMP	31	I	P		SPOT TBG TRAILER ON LOC, TALLY 2-3/8" J-55 TBG, P/U 3-7/8" MILL AND BIT SUB, TIH W/ 2-3/8" TBG, TAG FLOAT COLLER AT 8854', 282 JTS 2-3/8" TBG.
	13:00 - 14:00	1.00	COMP	31	H	P		R/U MUD PUMP, CIRC WELL DN TBG OUT CSG, PUMP 175 BBL 2%KCL WTE W/ GETTING @ 2 BBL MUD BACK.
	14:00 - 17:00	3.00	COMP	31	I	P		P/U LAY DN 60 JTS ON TRAILER, TOOH STANDING TBG BACK, LAY DN POBS & MILL, SHUT WELL IN SDFN
4/29/2009	7:00 - 7:30	0.50	COMP	48		P		JSA-SAFETY MEETING #4, DAY 4, MEETING W/ WEATHERFORD FRAC AND CUTTER WIRELINE & RIG CREW.

Operation Summary Report

Well: NBU 1022-4N4T	Spud Conductor: 2/23/2009	Spud Date: 2/26/2009
Project: UTAH	Site: UINTAH	Rig Name No: GWS 1/1, SWABBCO 1/1
Event: COMPLETION	Start Date: 4/24/2009	End Date: 5/2/2009
Active Datum: RKB @5,242.00ft (above Mean Sea Level)	UWI: 0/10/S/22/E/4/0/SESW/6/PM/S/284.00/W/0/2,145.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation

	7:30 - 13:00	5.50	COMP	36	D	P		WELL HAD #, R/D HALLIBURTON GAUGES, R/U CUTTER WIRELINE AND WEATHERFORD FRAC, CUTTER RIH W/ PERF GUNS AND PERF THE MESAVERDE @ 8760'N -63' & 8670' - 76', 3-SPF, USING 3-3/8 PERF GUNS, 23 gm, 0.36 HOLE, 90* PHS, 42 HOLES, WHP = 1800 #,
								
								(STG #1) WEATHERFORD PRESSURE TESTED SURFACE LINES TO 8500#, BRK DN PERF 3611 #, @ 5 B/M, INJ-RT = 50 B/M, INJ-P = 3450 #, ISIP = 2878#, F.G. = 0.76, PMPD 3 BBLS 15 % HCL AHEAD OF INJ, CALC 62% PERF OPEN, PMPED BBL1244 SLK WTR & 48316 # OTTAWA SAND, ISIP = 2692 #, F.G.= 0.75 ,
								NPI = -186 , MP = 6823 #, MR = 50.7 B/M, AP = 5297#,, AR = 50.3 B/M, 43316 # 30-50 OTTAWA SD, 5000 # TLC 20-40 SD, 26 GALS WFR, 52 GALS WCS, 52 GALS WNE, 27 GALS NALCO BIOCIDE, 169 GALS NALCO SCALE INHB,
								
								(STG #2) RIH W/ BAKER 8K CBP & PERF GUNS, SET CBP @ 8550', PERF THE MESAVERDE @ 8509' - 14' 4-SPF, 8472' -75', 8405' - 08', 8382' - 84', 3-SPF, USING 3-3/8" EXP GUNS, 23 gm, 0.36 HOLE, 90* PHS, 44 HOLES, WHP = 150#, BRK DN PERF @ 2543# @ 5 B/M, INJ-RT = 50 B/M, INJ-P = 4200#, ISIP = 2003#, F.G.= 0.68, CALC 86% PERF OPEN, PMPED 1040 BBL SLK WTR & 41263# OTTAWA SD, ISIP = 2764#, F.G.= 0.77, NPI = 761, MP = 4909#, MR = 51.7 B/M, AP = 4187#, AR = 49.6 B/M, 36164# 30/50 OTTAWA SD, 5099# 20/40 SD,
								23 GALS WFR, 43 GALS WCS, 43 GALS WNE, 21 GALS NALCO BIOCIDE, 95 GALS NALCO SCALE INHB,
								
								(STG #3 DEFIT) RIH W/ BAKER 8K CBP & PERF GUNS, SET CBP @ 8332', PERF THE MESA VERDE @ 8297' TO 8302', 2-SPF, USING 3-3/8" EXP GUNS, 23gm, 0.36 HOLE, 90* PHS, 10 HOLES,
								DEFIT, WHP = 1050#, PUMP AT 4 B/M W/ 2268#, PUMP 24 BBLS, ISIP 2070#, F.G.= 0.69, 5 MIN = 1507#,
								10 MIN = 1353#, 15 MIN = 1267#, SHUT WELL IN FOR DEFIT, SHUT DOWN TILL AM.

4/30/2009	6:30 - 6:45	0.25	COMP	48		P		JSA-SAFETY MEETING #5, DAY 5

Operation Summary Report

Well: NBU 1022-4N4T	Spud Conductor: 2/23/2009	Spud Date: 2/26/2009
Project: UTAH	Site: UINTAH	Rig Name No: GWS 1/1, SWABBCO 1/1
Event: COMPLETION	Start Date: 4/24/2009	End Date: 5/2/2009
Active Datum: RKB @5,242.00ft (above Mean Sea Level)	UWI: 0/10/S/22/E/4/0/SESW/6/PM/S/284.00/W/0/2,145.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	6:45 - 16:00	9.25	COMP	36	B	P		NO PRESSURE ON WELL, R/U WIRELINE RIH W/ PERF GUNS, (STG #3) PERF THE MESA VERDE @ 8249'- 51', 8202' - 05' 4-SPF, 8184' - 87' 3-SPF, USING 3-3/8" EXP GUNS, 23gm, 0.36 HOLE, 90* PHS, TOTAL 39 HOLES, WHP = 60 #, BRK DN PERF @ 2793 # @ 10 B/M, INJ-RT = 50.6 B/M, INJ-P = 4200 #, ISIP = 1973 #, F.G.= 0.68 , CALC ALL PERF OPEN, PMPD 2527.6 BBLS SLK & 104345 # SAND, ISIP = 2473#, F.G.= 0.75, NPI = 500, MP = 5277#, MR= 50.8 B/M, AP = 1437#, AR = 50.4 B/M, 99357# 30/50 SAND, 4988# 20/40 TLC SAND, 53 GALS WFR, 106 GALS WCS, 106 GAL WNE, 53 GALS NALCO BIOCIDE, 172 GALS NALCO SCALE INHB. (STG #4) RIH W/ BAKER 8K CBP & PERF GUNS, SET CBP @ 8162', PERF THE MESA VERDE @ 8127' - 32' 4-SPF, 8030', - 34', 7994' - 98', 3-SPF, USING 3-3/8" EXP GUNS, 23gm, O.36 HOLE, 44 HOLES, WHP = 38#, BRK DN PERF @ 6874#, @ 4.7 B/M, INJ-RT = 48.1 B/M, INJ-P = 6250#, ISIP = 2387#, F.G.= 0.74, CALC 60% PERF OPEN, PMPED 549.4 BBLS SLK WTR, 18721# SAND, ISIP = 2400#, F.G.= 0.74, NPI = 13, MP = 6874#, MR = 48.7 B/M, AP = 3845#, AR = 49.3 B/M, 13721 # 30/50 OTTAWA SAND, 5000# 20/40 TLC SAND, 11 GALS WFR, 23 GALS WCS, 23 GALS WNE, 12 GAL NALCO BIOCIDE, 74 GALS NALCO SCALE INHB, (STG #5) RIH W/ BAKER 8K CBP & PERF GUNS, SET CBP @ 7970', PERF THE MESA VERDE @ 7939' - 44' 4-SPF, 7908' - 12', 7812' - 18', 3-SPF, USING 3-3/8" EXP GUNS, 23 gm, 0.36 HOLE, 44 HOLES, WHP = 75#, BRK DN PERF @ 5090# @ 4.5 B/M, INJ-RT = 49.9 B/M, INJ-P = 3800#, ISIP = 2349#, F.G.= 0.74, CALC ALL PERF OPEN, PMPED 627.6 BBLS SLK WTR & 22408 # SAND, ISIP = 2422#, F.G.= 0.75, NPI = 73, MP = 5090#, MR = 50.4 B/M, AP = 3752#, AR = 49.4 B/M, 17398# 30/50 OTTAWA SAND, 5010# 20/40 TLC SAND, 14 GALS WFR, 26 GALS WCS, 26 GALS WNE, 14 GALS NALCO BIOCIDE, 42 GALS NALCO SCALE INHB. (STG #6) RIH W/ BAKER 8K CBP & PERF GUNS, SET CBP @ 7750', PERF THE MESA VERDE @ 7714' - 20', 7634' - 38', 7558' - 62', 3-SPF, USING 3-3/8" EXP GUNS, 23 gm, 0.36 HOLE, 90* PHS, 42 HOLES, WHP = 0 #, BRK DN PERF @ 2880 # @4.7 B/M, INJ-RT = 49.9 B/M, INJ-P = 4050 #, ISIP = 1505 #, F.G.= 0.64 , CALC 90% PERF OPEN, PMPED 834.3 BBLS SLK WTR & 32079 # SAND, ISIP = 2528 #, F.G.= 0.77 , NPI = 1023 , MP = 4691 #, MR = 50.4 B/M, AP = 3802 #, AR = 49.9 B/M, 26937 # 30/50 OTTAWA SAND, 5142 # 20/40 TLC SAND, 18 GALS WFR, 35 GALS WCS, 35 GALS WNE, 19 GALS NALCO BIOCIDE, 73 GALS NALCO SCALE INHB,

Operation Summary Report

Well: NBU 1022-4N4T	Spud Conductor: 2/23/2009	Spud Date: 2/26/2009
Project: UTAH	Site: UINTAH	Rig Name No: GWS 1/1, SWABBCO 1/1
Event: COMPLETION	Start Date: 4/24/2009	End Date: 5/2/2009
Active Datum: RKB @5,242.00ft (above Mean Sea Level)	UWI: 0/10/S/22/E/4/0/SESW/6/PM/S/284.00/W/0/2,145.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation

								(STG #7) RIH W/ BAKER 8K CBP & PERF GUNS, SET CBP @ 7474', PERF THE MESA VERDE @ 7440' - 44', 4-SPF, 7378'- 82', 7338' - 40', 7247' - 50', 3-SPF, USING 3-3/8" EXP GUNS, 23 gm, 0.36 HOLE, 90* PHS,
								43 HOLES, WHP = 25#,
								BRK DN PERF @ 3173# @ 4.7 B/M, INJ-RT = 50 B/M, INJ-P = 3950#, ISIP = 1436#, F.G.= 0.64, CALC 90% PERF OPEN, PMPED 1398.1 BBL SLK WTR & 59663# SAND, ISIP = 2169#, F.G.= 0.74, NPI = 733, MP = 4206#, MR = 50.2 B/M, AP = 3614#, AR = 50.1 B/M, 54798# 30/50 OTTAWA SAND, 4865# 20/40 TLC SAND, 30 GALS WFR, 62 GALS WCS, 59 GALS WNE, 30 GAL NALCO BIOCIDE, 116 GALS NALCO SCALE INHB.
								
								(STG #8) RIH W/ BAKER 8K CBP & PERF GUNS, SET CBP @ 7197', PERF THE MESA VERDE @ 7148' - 56' 4-SPF, 7050' - 54' 2-SPF, USING 3-3/8" EXP GUNS, 23 gm, 0.36 HOLE, 90* PHS, 40 HOLES, WHP = 1305 #
								BRK DN PERF @ 3212 #,@ 4.7 B/M, INJ-RT = 50 B/M, INJ-P = 4350 #, ISIP = 1909 #, F.G.= 0.71, CALC 83% PERF OPEN, PUMPED 634.5 BBLS SLK WTR & 23822 # SAND, ISIP = 2261 #, F.G= 0.76 , NPI = 352 ,
								MP = 6074 #, MR = 50.1 B/M, AP = 3937 #, AR = 49.9 B/M, 19706 # 30/50 OTAWA SAND, 4116 # 20/40 TLC SAND, 11 GALS WFR, 27 GALS WCS, 22 GALS WNE, 11 GALS NALCO BIOCIDE, 29 GALS NALCO SCALE INHB
								
								(KILL PLUG) RIH W/ BAKER 8K CBP, SET CBP @ 7000', R/D CUTTER WIRELINE AND WEATHERFORD FRAC.
								TOTAL FLUID = 8883 BBLS SLK WTR,
								TOTAL SAND = 357,855 #
								TOTAL NALCO BIOCIDE = 187 GALS,
								TOTAL NALCO SCALE INHIB = 770 GALS
								TOTAL WFR = 186 GALS,
								TOTAL WCS = 374 GALS
								TOTAL WNE = 366 GALS

	16:00 - 18:00	2.00	COMP	31	I	P		N/D FRAC VALVE, N/U BOPS, P/U 3-7/8" MILL AND POBS, TIH W/ 2-3/8" TBG TO @ 5500', SWI, SDFN
5/1/2009	7:00 - 7:15	0.25	COMP	48		P		JSA-SAFETY MEETING #6, DAY 6
	7:15 - 8:30	1.25	COMP	31	I	P		TIH W/ 2-3/8" TBG, TAG @ 7000', R/U POWER SWIVEL.

ROCKIES

Operation Summary Report

Well: NBU 1022-4N4T	Spud Conductor: 2/23/2009	Spud Date: 2/26/2009
Project: UTAH	Site: UINTAH	Rig Name No: GWS 1/1, SWABBCO 1/1
Event: COMPLETION	Start Date: 4/24/2009	End Date: 5/2/2009
Active Datum: RKB @5,242.00ft (above Mean Sea Level)	UWI: 0/10/S/22/E/4/0/SESW/6/PM/S/284.00/W/0/2,145.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation

	8:30 - 19:00	10.50	COMP	44	C	P		PRESSURE TEST BOPSS, BROKE CIRC DN TBG OUT CSG,
								(DRLG CBP #1) 7000', DRILL OUT BAKER 8K CBP IN 30 MIN, O# DIFF, RIH TAG @ 7186', FCP = 25#.
								
								(DRLG CBP #2) 7186', DRILL OUT BAKER 8K CBP IN 25 MIN, 25# DIFF, RIH TAG @ 7450', C/O 24 ' SAND,
								FCP = 50 #
								
								(DRLG CBP #3) 7474', DRILL OUT BAKER 8K IN 5 MIN, 250# DIFF, RIH TAG @ 7735', C/O 15' SAND, FCP 400#,
								
								(DRLG CBP #4) 7750', DRILL OUT BAKER 8K CBP IN 10 MIN, 50# DIFF, PRESSURE CAME UP TO 600#, WORK TRY TO GET TBG DN, PULLED 2-JTS, PUMP 130 BBL DN WELL, PRESSURE CAME DN TO 300 #, CBP ON BOTTOM OF MILL STILL WOULD NOT GO DN, WORK W/ GETTING CBP TO MOVE DN HOLE, RIH TAG @ 7938', C/O 42' SAND, FCP, 450#,
								
								(DRLG CBP #5) 7970', DRILL OUT BAKER 8K CBP IN 35 MIN, 250 # DIFF, RIH TAG @ 8130', C/O 31' SAND,
								FCP = 500#,
								
								(DRLG CBP #6) 8162', DRILL OUT BAKER 8K CBP IN 45 MIN, 100 # DIFF.CBP STAY W/ MILL, PULLED OUT 3 JTS W/ PRESSURE @ 800#, WORK TBG TRY TO GET CBP TO DROP OFF, PRESSURE AND PLUG HOLDING TBG FROM GOING IN HOLE,
								
								HOOK UP FLOW LINE TO FLOW BACK TK, OPEN WELL TO TK ON 32/64 CHOKE W/ 1250#, TURN WELL OVER TO FLOW BK CREW TO BLOW DN OVER NIGHT, SDFN

5/2/2009	7:00 - 7:15	0.25	COMP	48		P		JSA-SAFETY MEETING #7, DAY 7

ROCKIES

Operation Summary Report

Well: NBU 1022-4N4T	Spud Conductor: 2/23/2009	Spud Date: 2/26/2009
Project: UTAH	Site: UINTAH	Rig Name No: GWS 1/1, SWABBCO 1/1
Event: COMPLETION	Start Date: 4/24/2009	End Date: 5/2/2009
Active Datum: RKB @5,242.00ft (above Mean Sea Level)	UWI: 0/10/S/22/E/4/0/SESW/6/PM/S/284.00/W/0/2,145.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	7:15 - 17:00	9.75	COMP	44	C	P		WELL FLOW BACK OVER NIGHT W/ PRESSURE STAYING @ 800# 0N 40/64 CHOKE, FLOWED BK @ 677 BBLS WTR, TIH TAG @ 8300', C/O 32' SAND, FCP = 850#, (DRLG CBP #7) 8332', DRILLOUT BAKER CBP IN 1 HOUR, 100# DIFF, RIH TAG 8500', C/O 50' SAND, FCP = 900#, (DRLG CBP #8) 8550', DRILL OUT BAKER 8K CBP IN 30 MIN, 100 # DIFF, RIH TAG SAND @ 8844', C/O 10' SAND TO PBTD @ 8854', FCP = 950#, CIRC WELL CLEAN, R/D POWER SWIVEL, POOH LAY DN 16 JTS ON TRAILER, LAND TBG ON HANGER W/ 266 JTS 2-3/8" J-55 TBG, EOT @ 8360.37', R/D FLOOR AND TBG EQUIP, N/D BOPS, N/U WH, DROP BALL DN TBG , WAIT 30 MIN FOR BALL TO FALL, PUMP OFF THE IT SUB @ 4,000#, WAIT 30 MIN FOR BIT TO FALL, OPEN WELL UP TO TK ON 20/64 CHOKE, FTP = 2100#, SICP = 2550#, TURN WELL OVER TO FBC @ 11:00 A.M. W/ 3010 BBLS WTR LTR, RACK OUT EQUIP, R/D SERVICE UNIT, PREPARE TO MOVE OFF LOC.. RELEASE RIG AVG 32 MIN / PLUG @ 100' SAND. 304 JTS 2-3/8" TBG DELV. 266 JTS 2-3/8" TBG LANDED 36 JTS 2-3/8" TBG RETURNED 2 JTS 2-3/8" TBG BAD KB = 18.00' HANGER = .80' 266 JTS 2-3/8" TBG = 8337.17' XN-NIPPLE & POBS = 4.40' --- --- EOT = 8360.37'
5/3/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 3050#, TP 2250#, 20/64" CK, 32 BWPH, TRACE SAND, LIGHT GAS TTL BBLS RECOVERED: 8860 BBLS LEFT TO RECOVER: 2230
5/4/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 2900#, TP 2150#, 20/64" CK, 20 BWPH, TRACE SAND, 3400 GAS TTL BBLS RECOVERED: 9498 BBLS LEFT TO RECOVER: 1592
5/5/2009	7:00 -		PROD	35	G	P		7 AM FLBK REPORT: CP 2800#, TP 2050#, 20/64" CK, 15 BWPH, TRACE SAND, 3400 GAS TTL BBLS RECOVERED: 9920 BBLS LEFT TO RECOVER: 1170